UNITED
NATIONS

TD

United Nations Conference
on Trade and Development

Distr.
GENERAL

TD/B/C.1/IRON ORE/7
24 July 1991

Original : ENGLISH

TRADE AND DEVELOPMENT BOARD
Committee on Commodities
Intergovernmental Group of Experts
on Iron Ore
Fifth session
Geneva, 21 October 1991
Item 3 of the provisional agenda

REVIEW OF IRON ORE STATISTICS

Iron ore statistics - 1981-1990

Prepared by the UNCTAD secretariat

GE.91-51295

CONTENTS

page

INTRODUCTION iii

EXPLANATORY NOTES AND DEFINITIONS iv

TABLES

1. World production of iron ore (thousand tonnes, natural weight), 1981-1990. 1
2. World production of iron ore (thousand tonnes, iron content), 1981-1990. 3
3. Iron ore production by products (thousand tonnes), 1990. 5
4. World production of pellets (thousand tonnes), 1981-1990. 6
5. World production of sinter (thousand tonnes), 1981-1990. 7
6. World exports of iron ore (thousand tonnes, natural weight), 1981-1990. 8
7. World exports of iron ore (thousand tonnes, iron content), 1981-1990. 9
8. Network of exports by major region of destination (million tonnes), 1981-1990. 10
9. Exports of pellets (thousand tonnes), 1986-1990. 10
10. World imports of iron ore (thousand tonnes, natural weight), 1981-1990. 11
11. EEC: iron ore imports by origin/destination(thousand tonnes, natural weight), 1990. 13
12. Eastern Europe: iron ore imports by origin/destinations, (thousand tonnes), 1990. 13
13. Japan: iron ore imports by origin, (thousand tonnes, natural weight), 1990. 14
14. Republic of Korea: iron ore imports by origin, (thousand tonnes, natural weight), 1990. 14
15. Value of world exports of iron ore (million dollars), 1981-1990. 15
16. Value of world imports of iron ore (million dollars), 1981-1990. 16
17. Apparent consumption of iron ore (thousand tonnes, natural weight), 1981-1990. 18
18. Reported consumption of iron ore (thousand tonnes, natural weight), 1981-1990. 20
19. Reported consumption by product (thousand tonnes), 1990. 21
20. Reported stocks of iron ore (thousand tonnes), 1981-1990. 22
21.A Reported stocks by product (producers), (thousand tonnes), 1990. 24
21.B Reported stocks by product (consumers), (thousand tonnes), 1990. 24
22. World production of pig iron (thousand tonnes), 1981-1990. 25
23. World production of sponge iron (DRI) (thousand tonnes), 1981-1990. 27
24. Reported consumption of metallics (thousand tonnes), 1990. 28
25. Reported exports of metallics (thousand tonnes), 1990. 29
26. Reported imports of metallics (thousand tonnes), 1990. 29
27. World production of crude steel (thousand tonnes), 1981-1990. 30

ANNEX

Replies to the UNCTAD Questionnaire. 32

INTRODUCTION

1. This document is issued under the UNCTAD statistical programme on minerals and metal statistics. It contains information, updated to the extent possible, covering the period 1981-1990. This compendium includes a new table and more detailed information, with a view to improving the quality and coverage of the UNCTAD iron ore statistics.

2. Improvements made in this document take into account the suggestions made by, and the discussions held on, statistical issues during past sessions of the Intergovernmental Group of Experts on Iron Ore.

3. The present compilation of iron ore statistics is primarily based on the replies to the UNCTAD questionnaire on iron ore. The questionnaire was sent to all member States of UNCTAD and to the Commission of the European Communities on 28 December 1990. As of 15 July 1991, 40 countries in addition to the Commission had responded to the questionnaire. Their replies are summarized in annex.

4. Data for countries which have not responded to the questionnaire were compiled on the basis of statistics available in the UNCTAD Data Bank, which collates data on production and trade of several commodities, and/or information directly supplied by Governments in the form of magnetic tapes or national statistical publications to the United Nations Statistical Office. Relevant publications of other international organizations have been used to supplement these data.

5. As far as possible, an attempt was made to tabulate comparable statistics taking into account uniform criteria and definitions. Nevertheless, there is scope for further improvements in this area. The regular and widespread use of the UNCTAD questionnaire has proved very useful and remains an important tool to achieve this aim.

6. Although a major aim of the secretariat is to achieve full geographical coverage of its statistics, some tables in this document present original data exclusively based on the replies to the questionnaire, and hence lack full geographical coverage.It should be acknowledged, however, that a greater number of countries have provided additional data.

7. This document has 27 tables, one more than in the previous version. The new table provides data on iron ore imports for the Republic of Korea by origin in 1990. Following the suggestions made last year, a new column indicating the estimated Fe content for each country was added in tables 2 and 7. In addition, definitions and footnotes were included in this publication with a view to facilitating the reading and understanding of the statistics.

EXPLANATORY NOTES

1. The following symbols are applicable to all tables:

   (a) The symbol "#" indicates that the data concerned have been supplied by Governments; in response to the questionnaire.

   (b) The symbol "-" indicates that the amount is nil or negligible.

   (c) The symbol ".." indicates that information is not available.;.

   (d) The letter "E" indicates that data have been estimated by the UNCTAD secretariat; in the absence of data supplied by Governments and when data are not available; from official national publications.

   (e) The term "tonnes" refers to metric tonnes.

   (f) The term "dollars" refers to United States dollars.

2. References to Federal Republic of Germany and to German Democratic Republic relate to the respective countries prior to unification.

3. The Intergovernmental Group of Experts on Iron Ore noted the implementation in a large number of countries of the nomenclature of the *Harmonized Commodity Description and Coding System*. There is a close correlation between this system and the*Standard International Trade Classification* (SITC) of the United Nations. The table below gives the concordance between the five statistical international trade codes presently in use: the*Standard International Trade Classification* (SITC, Rev.1) the *Revised Standard International Trade Classification* (SITC' Rev.2 and Rev.3) the *Customs Co-operation Council Nomenclature* (CCCN) and the *Harmonized Commodity Coding System* (HS).

Item	SITC Rev.1	SITC Rev.2	SITC Rev.3	CCCN	HS
Iron ore and concentrates					
Non-agglomerated	2813	2815	2815	2601B	260111
Agglomerated (sinter, pellets, briquettes)	2813	2816	2816	2601C	260112
Pig iron in pigs, blocks or other primary forms	6712	6712	6712	7301	720110
Sponge iron or ferrous products obtained by direct reduction of iron ore (DRI)	67133	67133	67133	7305B	720310
Ferrous scrap, or waste of cast iron (purchased scrap)	2820	28201	2821	7303A	720410

4. Complementary sources

Statistical Yearbook, and World Steel in figures,
International Iron and Steel Institute, Brussels.

Monthly Bulletin of Statistics,
United Nations, New York.

Monthly Report of the Iron and Steel Statistics,
Japan Iron and steel Federation, Tokyo.

Siderurgia Latino-Americana,
Instituto Latino-Americano del Fierro y Acero, Santiago.

Anuario Estatistico da Industria Siderurgica Brasileiria,
Instituto Brasileiro Siderurgia, Rio de Janeiro

Direct from Midrex,
Midrex Corporation, North Carolina, United States.

DEFINITIONS

Weight	***Natural***: natural state of extraction, normally wet.
Year	Statistics are presented for the ***calendar year*** from 1 January to 31 December.
Production	Ores, concentrates, non-agglomerates and agglomerates ***Marketable*** products only.
Trade	Quantities of iron ore traded by type of product in terms of ***natural weight*** and ***Fe content***. Value for ***exports*** : ***f.o.b.*** basis. Value for ***imports*** : ***c.i.f.*** basis.
Run of mine	***Marketable*** unprepared iron ore with more than 20% fines.
Lumps	Unbeneficiated ***marketable*** ore typically between 10 and 30mm. Usually less than 20% fines.
Fines	Small particles of ***marketable*** ore normally requiring agglomeration (sintering or pelletizing). Usually below 10mm.
Concentrates	***Marketable*** ore treated in concentration plant to retain valuable constituants and discard those of no commercial interest.
Pellet-feed	Iron ore fines for pelletizing. Usually very fine, below 0.1mm.
Pellets	Iron ore fines agglomerated into a rough ball shape typically 10mm in diameter.
Sinter	Agglomeration of natural ore fines, ore concentrates, flue dust and other bearing materials.
Ferrous scrap	Scrap high in Fe content used by the iron ore and steel industry.
Pig iron	Primary iron produced from iron ore in blast furnaces.
Sponge iron ore or DRI	Primary iron produced through direct reduction without exceeding the melting temperature.
Crude steel	Measured at the first stage of solidification, except for liquid steel for casting.

SURVEY OF THE QUALITY AND USEFULNESS OF UNCTAD PUBLICATIONS AND OF THEIR END-USERS

The UNCTAD secretariat, in the context of its programme evaluation activities and in response to intergovernmental requests, is seeking the opinions of end-users in order to have basic data for assessing the quality, usefulness and effectiveness of *inter alia* its research reports and publications. As the success of such an exercise is critically dependent on an adequate rate of response we should appreciate it if you would take time to answer the questions below and submit any other comments that you may have concerning the current document.

1. **Title or symbol number of document** . . . . . .

2. **When did you receive the document?** . . . . . .

3. **How did you receive the document?** *(tick one or more boxes)*

Through Permanent Mission to United Nations	( )	From UN bookshop	( )
From ministry or government office	( )	From university libraries	( )
Directly from UNCTAD secretariat	( )	Own request	( )
By participating in an UN/UNCTAD intergovernmental meeting	( )	UNCTAD initiative	( )
		Other (please specify)	. . . . .
By participating in an UN/UNCTAD sponsored training course or seminar	( )	. . . . .	
		. . . . .	

4. **For what main purposes do you use the document?** *(tick one or more boxes)*

Policy formulation	( )	Education and training	( )
Analysis and research	( )	Management	( )
Legislation	( )	Other (please specify)	. . . . .
Background information	( )	. . . . .	

5. **How do you rate the document as regards:**

Its usefulness to your work *(tick one box)*

Extremely useful ( ); Very useful ( ); Useful ( ); Marginally useful ( ); Not at all ( ).

Its quality, in terms of the following aspects *(tick one box in each case)*:

	Outstanding	*Excellent*	*Good*	*Adequate*	*Poor*
Presentation and readability	( )	( )	( )	( )	( )
Originality of ideas	( )	( )	( )	( )	( )
Wealth of information	( )	( )	( )	( )	( )
Up-to-date information	( )	( )	( )	( )	( )
Technical accuracy	( )	( )	( )	( )	( )
Quality of analysis, including objectivity	( )	( )	( )	( )	( )
Validity of conclusions	( )	( )	( )	( )	( )
Clarity of recommendations	( )	( )	( )	( )	( )
Comprehensiveness of coverage	( )	( )	( )	( )	( )

6. **Other observations** *(if any)* . . . . . .

. . . . . .

. . . . . .

. . . . . .

Finally, we would appreciate it if you could provide the following information about yourself:

Name . . . . . Occupation/Functional title . . . . . .

Address . . . . . .

Your answers are for internal use and will be kept confidential. Thank you for your co-operation.

Please forward the questionnaire to : PROGRAMME CO-ORDINATION AND EVALUATION UNIT
EXECUTIVE DIRECTION AND MANAGEMENT
UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT
PALAIS DES NATIONS – CH-1211 GENEVA 10

1. IRON ORE: Production[1]

(thousand tonnes, natural weight[2])

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD	**890083**	**817531**	**777972**	**874910**	**910365**	**914707**	**931714**	**960428**	**986156**	**973712**
DEVELOPED MARKET ECONOMY COUNTRIES	**309908**	**242177**	**210798**	**260479**	**266437**	**246690**	**253938**	**262286**	**278047**	**271205**
AMERICA	**127441**	**72672**	**71886**	**92030**	**89328**	**76125**	**84164**	**97924**	**99014**	**91243**
Canada	51985#	35592#	33326#	39930#	39798#	36679#	36520#	40409#	41142#	35775#
United States	75456	37080	38560	52100	49530	39446	47644	57515	57872#	55468#
EUROPE	**65566**	**53915**	**48324**	**52293**	**51865**	**48866**	**43143**	**40401**	**40614**	**36165**
EEC	*34209*	*30297*	*26850*	*25833*	*24025*	*20970*	*16598*	*14453*	*14083*	*11907*
Belgium-Luxembourg	492	40	40	-	-	-	-	-	-	-
France	21489	19670	16180	15030	14480	12560	11566	9872#	9319#	8720#
Germany, Federal Republic of	1574	1308	980	980	1030	717	247	70#	102#	84#
Greece	1279#	500	1300	1452	1712	1300E	..	..	..	..
Italy	120	10	-	-	-	-	-	-	-	-
Portugal	40	40	30	30	70	50	30	25	20	20E
Spain	8483#	8261#	7940#	7961#	6463#	6054#	4492#	4262#	4610#	3030#
United Kingdom	732	468	380	380	270	289	263	224#	32#	53#
EFTA	*31357*	*23618*	*21474*	*26460*	*27840*	*27896*	*26545*	*25948*	*26531*	*24258*
Austria	3048	3330	3540	3600	3300	3120#	3050#	2300#	2410#	2300#
Finland	864	880	860	900	800	643#	648	557#	-	-
Norway	4068	3270	3540	3840	3470	3660	3140	2644#	2358#	2081#
Sweden	23377	16138	13534	18120	20270	20473#	19707	20447	21763#	19877#
SOUTH AFRICA	**28319**	**24554**	**16605**	**24496**	**24939**	**24483**	**22008#**	**25247#**	**29958#**	**30291#**
ASIA	**441**	**362**	**298**	**324**	**338**	**291#**	**295**	**278**	**251**	**208**
Japan	441	362	298	324	338	291#	295	278	251	208
OCEANIA	**88141**	**90674**	**73685**	**91336**	**99967**	**96925**	**104328**	**98436**	**108210E**	**113298**
Australia[3]	84661#	87694#	71485#	89046#	97447#	94015#	101748#	96084#	105810#	112000#
New Zealand	3480	2980	2200	2290	2520	2910	2580	2352#	2400E	1298#
DEVELOPING COUNTRIES AND TERRITORIES	**219003**	**210890**	**197936**	**231413**	**251756**	**263008**	**268914**	**281757**	**290309**	**284284**
AFRICA	**34440E**	**33712**	**29714**	**32583**	**32543**	**32150**	**30827**	**29982**	**31349E**	**22568**
Algeria	3481	3892	3684	3664	3380	3360#	3575#	3400E	2748#	2930#
Egypt	1400E	2200	2060	1889	2120	1999	2112#	2400#	2400E	2420#
Liberia	19540	18000	15410	16100	16120	15600	13806#	12808#	12300	3981
Mauritania	8473#	8210#	6600	9000#	9203#	9262#	9120#	9782#	12114#	11416#
Morocco	50	230	300	200	140	200	204	117#	126#	50#
Sierra Leone	-	10	360	420	70	-	-	-	-	-
Tunisia	400	270	300	310	310	310	290	226#	190#	191#
Zimbabwe	1096	900E	1000E	1000E	1200E	1419#	1720#	1249#	1471#	1580#
AMERICA	**133993**	**125222**	**120820**	**146460**	**163254**	**165596**	**171788**	**185548**	**192671**	**195079**
Argentina	810	600	1000	700	900	710	800	1162#	677#	600E
Bolivia[3]	-	-	-	-	-	-	-	15#	14#	125#
Brazil[4]	97900	93100	92100	112100	128200	129054	134105#	146000#	153743#	154375#
Chile	7650	5760	5170	5590	5840	6326#	6131#	7295#	8112#	7811#
Colombia	433#	470#	456#	441#	455#	523#	615	615#	600	628#
Mexico[4]	5600	7660	8420	10543	8103	7581	7374	7830#	7538#	8114#
Peru[3]	6069	5931	4225	4031	4992	5195#	5567#	4158#	3915	3307#
Venezuela	15531	11701	9449	13055	14764	16207#	17196	18473#	18052#	20119#
ASIA	**45777**	**46851**	**42384**	**47055**	**50481**	**58644**	**60316**	**60684**	**61852**	**62505**
India	41618#	42752#	38089#	42310#	44090#	51169#	51335#	49961#	51434#	50000E
Iran, Islamic Republic of	-	-	-	-	1000E	2000E	3000E	4300	5630	5500E
Malaysia	528	400	100	160	182	208	161	209#	193#	340E
Republic of Korea	555	553	591	554	542	525	510	672	344#	370#
Syrian Arab Republic	..	..	..	..	..	..	..	..	..	20#
Thailand	60	30	70	70	94	37#	97	99	160	120E
Turkey	2983#	3083#	3501#	3958#	4573#	4705#	5213#	5443#	4091#	6155#
Other Asia	33	33	33	3	-	-	-	-	-	-
EUROPE	**4793**	**5105**	**5018**	**5315**	**5478**	**6618**	**5983**	**5543**	**4438**	**4132**
Yugoslavia	4793	5105	5018#	5315	5478	6618	5983	5543#	4438#	4132#

1. IRON ORE: Production[1]
(concluded)

(thousand tonnes, natural weight[2])

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
COUNTRIES IN EASTERN EUROPE	**248752**	**250274**	**250958**	**253188**	**253932**	**256379**	**256842**	**253605**	**246700**	**239373**
Bulgaria	1754	1552	1803	2063	1985	2179	1857	1826	1613	1079#
Czechoslovakia	1935	1861	1903	1869	1824	1784	1798	1773	1780#	1710
Germany (former German Dem. Rep.)	41	41	40	36	-	-	-	-	- #	-
Hungary	196	214	215	193	184	-	-	-	-	-
Poland	105	49	10	11	12	9	6	6	7	6E
Romania	2304	2146	1987	1916	2287	2431	2281	2000#	2000#	578#
USSR	242417	244411	245000	247100	247640	249976	250900	248000#	241300#	236000#
SOCIALIST COUNTRIES OF ASIA	**112420**	**114190**	**118280**	**129830**	**138240**	**148630**	**152020**	**162780**	**171100**	**178850**
China	104420	106190	110280	121830	130240	140630	144020	154780	162100	169350
Democratic People's Rep. of Korea	8000	8000	8000	8000	8000	8000	8000	8000	9000E	9500E

1 Production includes ores, concentrates and iron ore agglomerated. Marketable products only.

2 Natural weight : natural state of extraction, normally wet.

3 Dry weight.

4 Pellets not included.

2. IRON ORE: Production

(thousand tonnes, Fe content[1])

Region country or area	% Fe	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD		**507230**	**450091**	**425938**	**483895**	**500728**	**502662**	**518612**	**550149**	**566374**	**557305**
DEVELOPED MARKET ECONOMY COUNTRIES		**183105**	**142402**	**124423**	**155394**	**159570**	**149631**	**154652**	**161136**	**172135**	**167812**
AMERICA		**78669**	**44884**	**44325**	**56564**	**54934**	**46995**	**51926**	**60375**	**62481**	**57678**
Canada	63.3	32641#	22636#	21189#	25304#	25216#	23229#	23340#	25866#	26022#	22628#
United States	63.2	46028	22248	23136	31260	29718	23766	28586	34509	36459	35050#
EUROPE		**30497**	**24144**	**21786**	**24577**	**24801**	**24878**	**22044**	**21354**	**21019**	**19059**
EEC		*11903*	*10356*	*9386*	*9101*	*8596*	*7815*	*5816*	*5152*	*5124*	*4057*
Belgium-Luxembourg	-	137	10	10	-	-	-	-	-	-	-
France	30.4	6662	5901	4854	4509	4529	4198	3566	3119#	2945#	2650#
Germany, Federal Rep. of	14.3	488	392	294	294	309	212	68	10#	14#	12#
Greece	..	550	215	559	624	736	559	..	..	..	..
Italy	-	37	3	-	-	-	-	-	-	-	-
Portugal	-	23	23	17	17	36	26	15	13#	10	10
Spain	45.3	3816#	3690#	3553#	3558#	2926#	2761#	2109#	1961#	2148#	1373#
United Kingdom	22.6	190	122	99	99	60	59	58	49#	7#	12#
EFTA		*18594*	*13788*	*12400*	*15476*	*16205*	*17063*	*16228*	*16202*	*15895*	*15002*
Austria	32.6	975	1066	1132	1152	1056	1006	976#	744#	781#	749#
Finland	-	579	590	576	594	528	432#	402	373#	-	-
Norway	65.0	2644	2125	2301	2496	2256	2379	2041	1692#	990#	1352#
Sweden	64.9	14396	10007	8391	11234	12365	13246#	12809	13393#	14124#	12901#
SOUTH AFRICA	**65.0**	**18407**	**15960**	**10793**	**15922**	**16210**	**15914**	**14297**	**16461#**	**19461#**	**19689**
ASIA		**257**	**209**	**174**	**186**	**197**	**162**	**168**	**158**	**136**	**112**
Japan	54.0	257	209	174	186	197	162	168	158	136	112
OCEANIA		**55275**	**57205**	**47345**	**58145**	**63428**	**61682**	**66217**	**62788**	**69038**	**71274**
Australia	63.0	53361#	55566#	46135#	56885#	62042#	60082#	64798#	61494#	67718#	70560#
New Zealand	55.0	1914	1639	1210	1260	1386	1600	1419	1294	1320	714#
DEVELOPING COUNTRIES AND TERRITORIES		**136055**	**130636**	**122428**	**144164**	**153531**	**161793**	**169876**	**180232**	**186792**	**182662**
AFRICA		**20831E**	**19869E**	**17524E**	**19592E**	**19514**	**19272**	**19250**	**18695**	**19347**	**13447**
Algeria	52.0	1766	1946	1842	1869	1705	1679	1691	1598	1429#	1524#
Egypt	53.2	700E	750E	750E	850E	950	950	1120#	1250#	1250	1287#
Liberia	67.0	11919	10980	9400	9821	9833	9516	9250	8581	8241	2667
Mauritania	61.4	5508#	5336#	4369#	5850#	5982#	6020#	5928#	6358#	7401#	7009#
Morocco	60.0	29	135	176	116	81	116	116	71#	75#	30#
Sierra Leone		-	6	192	224E	37	-	-	-	-	-
Tunisia	50.0	208	140	155	158	158	158	131	113	95	9
Zimbabwe	58.3	701	576E	640E	704	768	833#	1014	724#	856#	921#
AMERICA		**85048**	**79865**	**77075**	**93485**	**100748**	**103744**	**111036**	**122300**	**126992**	**128693**
Argentina	64.5	356	324	540	378	486	383	432	748#	437#	387
Bolivia	60.0	-	-	-	-	-	-	-	9	8	75#
Brazil	66.5	62656	59584	58944	71744	78323#	80771	87168#	97090#	102241#	102659#
Chile	65.4	4343	3571	3205	3466	3683	4145#	4017	4778#	5267#	5111#
Colombia	45.1	195#	212#	205#	198#	205#	235#	399#	277#	270	283#
Mexico	67.0	3472	4749	5220	6510	5161	4960	5200	5167#	5013#	5436#
Peru	66.0	4007	3936	2814	2698	3329	3364#	3674	2684#	2538	2182#
Venezuela	62.4	10019	7489	6147	8491	9561	9886#	10146	11547#	11216#	12560#
ASIA		**28498**	**29115**	**26073**	**29386**	**31516**	**36659**	**37676**	**37463**	**38412**	**38622**
India	63.0	26219#	26887#	23693#	26750#	27918#	32392#	32550#	31720#	32484#	31500
Iran, Islamic Rep. of	55.0	-	-	-	-	550	1100	1650	2365	3096	3025
Malaysia	60.0	296	224	56	90	90	118	112	121#	116#	204
Republic of Korea	56.0	280	308	364	308	302	297	286	370	193#	199#
Syrian Arab Republic	32.0	..	..	..	..	..	..	..	..	..	3#
Thailand	60.0	35	18	42	37	56	22	58	59	96	72
Turkey	59.0	1650#	1660#	1900#	2200#	2600#	2730#	3020#	2828#	2427#	3619#
Other Asia		18	18	18	1	-	-	-	-	-	-
EUROPE		**1678**	**1787**	**1756**	**1701**	**1753**	**2118**	**1914**	**1774**	**2041**	**1900**
Yugoslavia	46.0	1678	1787	1756	1701	1753	2118	1914	1774	2041#	1900

2. IRON ORE: Production
(concluded)

(thousand tonnes, Fe content[1])

Region country or area	% Fe	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
COUNTRIES IN EASTERN EUROPE		**134923**	**135887**	**136489**	**137696**	**138043**	**138017**	**139677**	**150608**	**146212**	**142703**
Bulgaria	29.7	579	512	595	681	655	719	613	603	533	321
Czechoslovakia	27.0	658	633	647	636	620	607	611	603	477#	462
Germany (former (German Dem. Rep.)	-	13	13	13	12	-	-	-	-	-	-
Hungary	-	76	83	84	75	72	-	-	-	-	-
Poland	-	36	17	3	4	4	3	2	2	2	2
Romania	55.0	461	429	397	383	457	486	456	600#	600#	318
USSR	60.0	133100	134200	134750	135905	136235	136202	137995	148800#	144600#	141600#
SOCIALIST COUNTRIES OF ASIA		**53147**	**41166**	**42598**	**46641**	**49584**	**53221**	**54407**	**58173**	**61235**	**64128**
China	35.0	49147	37166	38598	42641	45584	49221	50407	54173	56735	59378
Democratic People's Republic of Korea	35.0	4000	4000	4000	4000	4000	4000	4000	4000	4500	4750

[1] Fe content 1 % Fe unit by weight per metric ton of marketable ore

3. IRON ORE: Production by products, 1990

(thousand tonnes, natural weight)

Country or area	Ore extracted from iron mines	Non-agglomerated						Agglomerated	
	Total	Run of mine[1]	Lumps[2]	Fines[3]	Concentrates[4]	Pellet-feed[5]	Others	Pellets[6]	Sinter[7]
Algeria		2,938	-	-	-	-	-	-	-
Australia			42,000	67,000		3,000			
Bolivia		-	-	-	125	-	-	-	-
Brazil			29,702	89,553	-	35,119	-	24,684	-
Canada	89,400				1,2491			22,515	769
Chile	10,041	-	1,060	1,791	935	-	-	4,015	-
Colombia	629		395	233					
Egypt	-	-	1,260	1,160					
France		8,720	-	-	-	-	-	-	-
Germany, Federal Rep. of		84	-	-	-	-	-	-	-
Mauritania		2,685	3671	3,042	2,018	-	-	-	-
Mexico	78,273	-	-	-	8,114	-	-	8,298	918
Morocco		-	-	-	50	-	-	-	-
Norway		-	-		2,081	-	-	-	-
Peru		-	-	188	1,371	444	-	1,304	-
Republic of Korea	230	-	140	-	-	-	-	-	-
Spain		-	30	2,835	125	40	-	-	
Sweden	19,877	-	1,910	7,857	145	-	-	9,965	-
United Kingdom		53	-	-	-	-	-	-	-
United States	-	-	-	-	467	-		55,001	
Venezuela	20,365	-	4,042	16,077	-	-	-	-	-
Zimbabwe		1,099	481	-	-	-	-	-	
Romania			378	200	-	-	-	-	

1 Marketable unprepared iron ore with more than 20 per cent fines.

2 Marketable iron ore between 10 and 30mm with usually less than 20 per cent fines.

3 Marketable fine ore, usually below 10mm (or similar size).

4 Marketable product from a concentrate plant.

5 Fine ore or concentrate very fine, usually below 0.1mm.

6 Iron ore fines agglomerated into a rough ball shape typically 10mm.

7 Agglomerated fines or concentrates and other iron bearing materials.

4. PELLETS[1]: Production

(thousand tonnes)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD	**204715**	**156507**	**162995**	**196983**	**204313**	**196474**	**211500**	**230244**	**235884**	**225394E**
DEVELOPED MARKET ECONOMY COUNTRIES	**112083**	**63929**	**68038**	**91042**	**93279**	**82042**	**90817**	**103772**	**107520**	**99866**
AMERICA	**97278**	**49930**	**53355**	**71151**	**71644**	**61656**	**70031**	**82248**	**84398**	**77516**
Canada	26203#	16367#	16451#	20264#	23920#	23861#	24120#	26291#	27113#	22515#
United States	71075#	33563#	36904#	50887#	47724#	37795#	45911#	55957#	57285#	55001#
EUROPE	**7788**	**7555**	**8587**	**13290**	**14896**	**14542**	**14852**	**15015**	**16494**	**15972**
EEC	*700*	*700*	*700*	*4304*	*4213*	*4000*	*4200*	*4506*	*4588*	*4507*
Belgium-Luxembourg	700E	700E	700	604	613	500	500	710#	588#	663#
Netherlands	..	..	..	3700	3600	3500	3700	3796#	4000#	3844#
EFTA	*7088*	*6855*	*7887*	*8986*	*10683*	*10542*	*10652*	*10509*	*11906*	*11465*
Finland	306	333	332	338	140	-	-	-	480#	..
Norway	2600E	2600E	2600	2100	1800	1700	1500	1400#	1400	1500E
Sweden	4182	3922	4955	6548	8743	8842#	9152	9109#	10026#	9965#
ASIA	**3130**	**3123**	**3053**	**3112**	**3014**	**2506**	**2625**	**3109**	**3128**	**3378**
Japan	3130	3123	3053	3112	3014	2506	2625	3109#	3128#	3378#
OCEANIA	**3887**	**3321**	**3043**	**3489**	**3725**	**3338**	**3309**	**3400**	**3500**	**3000**
Australia	3887#	3321#	3043#	3489#	3725#	3338#	3309#	3400E	3500E	3000E
DEVELOPING COUNTRIES AND TERRITORIES	**36499**	**34512**	**32677**	**40331**	**42414**	**44082**	**47333**	**53637**	**54614**	**52228**
AFRICA	**3500**	**3500**	**3500**	**2600**	**3000**	**2700**	**3060**	**3390**	**3178**	**1675**
Liberia	3500E	3500E	3500	2600	3000	2700	3060#	3215#	3000	1500
Nigeria	..	..	..	..	..	..	..	175#	178#	175E
AMERICA	**32765**	**30937**	**29102**	**37661**	**38798**	**40103**	**42766**	**45273**	**45702**	**44051**
Argentina	374	616	546	465	495	646	465	597	658#	550E
Brazil	17797	15604	14480	22290	22619	24268	24852	26084#	26990#	24684#
Chile	3266	3376	3072	3371	3607	3317	3694#	4073#	3924#	4015#
Mexico	5931	6566	6403	7356	6640	6663#	7400#	7937#	7582#	8298#
Peru	1697	1482	1101	995	1785	1916	2011	1774#	1848	1304#
Venezuela	3700	3293#	3500	3184	3652	3293#	4344#	4808#	4700	5200
ASIA	**148**	-	-	-	**535**	**1203**	**1451**	**4949**	**5673**	**6452**
Bahrain	-	-	-	-	400	500	-	2500E	3000E	3500E
India	148	-	-	-	100	200	587#	1467#	1887	1920
Turkey	-	-	-	-	35#	503#	864#	982#	786#	1032#
EUROPE	**86**	**75**	**75**	**70**	**81**	**76**	**56**	**25#**	**61#**	**50E**
Yugoslavia	86	75	75	70	81	76	56	25#	61#	50E
COUNTRIES IN EASTERN EUROPE	**54123**	**55976**	**60000**	**63300**	**65830**	**66730**	**69030**	**68235**	**68950**	**68300**
Czechoslovakia	100E	150E	200E	200E	223	230	230E	262#	250E	300
USSR	54023	55826	59800	63100	65607	66500	68800	67973#	68700#	68000#
SOCIALIST COUNTRIES OF ASIA	**2010**	**2090**	**2280**	**2310**	**2790**	**3620**	**4320**	**4600**	**4800**	**5000**
China	2010	2090	2280	2310	2790	3620	4320	4600E	4800E	5000E

1 Pellets: iron ore fines agglomerated into a rough ball shape typically 10mm diameter.

5. SINTER[1]: Production

(thousand tonnes)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD	**555402**	**528235**	**516291**	**551827**	**548757**	**544996**	**538263**	**563242**	**563482**	**547058**
DEVELOPED MARKET ECONOMY COUNTRIES	**265952**	**237519**	**218914**	**237443**	**238380**	**218590**	**208920**	**228822**	**232647**	**227907**
AMERICA	**28383**	**17806**	**18436**	**19904**	**18838**	**15361**	**15854**	**16893**	**15570**	**15332**
Canada	2114#	1392#	2021#	2727#	2574#	2114#	1392#	1396#	1906#	1900
United States	26269	16414	16415	17177	16264	13247	14462	15497	13664#	13432#
EUROPE	**133237**	**121010**	**109337**	**117820**	**119521**	**109947**	**101346**	**110955**	**112787**	**110066**
EEC	*122404*	*110920*	*99129*	*107376*	*109395*	*100207*	*92012*	*101790*	*103131*	*101363*
Belgium-Luxembourg	18741	18187	15707	17340	16847	15513	15301	16556#	16116#	16306#
France	29751	26076	22776	23960	24556	20873	15302	21477#	21378#	20517#
Germany, Federal Republic of	35734	30581	26855	30827	30929	29311	26140	27833#	29753#	27230#
Italy	14382	14500E	12656	13630	14515	13478	13008	13071#	12311#	13114#
Netherlands	2979	2508	2653	3523	3742	3706	3682	3901#	3668#	3945#
Portugal	357	360E	360E	360E	477	492	429	452#	395#	344#
Spain	9079	8567	8253	7410	7465	6919	6600	5433#	6228#	6177#
United Kingdom	11381	10141	9869	10326	10864	9915	11550	13067#	13282#	13730#
EFTA	*10833*	*10090*	*10208*	*10444*	*10126*	*9740*	*9334E*	*9165*	*9656*	*8703*
Austria	5785	5346	5551	5866	5696	5259#	4814	4431	4775#	4380#
Finland	2940	3005	2809	2854	2637	2761#	2837	2970#	3060#	2800E
Norway	1000E	711	732	627	666	620	633	673#	680E	400E
Sweden	1108	1028	1116	1097	1127	1100	1050E	1091#	1141#	1123#
ASIA	**98149**	**93041**	**85710**	**93947**	**93929**	**87509**	**86447**	**94933**	**98190**	**96509**
Japan	98149	93041	85710	93947	93929	87509	86447	94933#	98190#	96509#
OCEANIA	**6183**	**5662**	**5431**	**5772**	**6092**	**5773**	**5273**	**6041**	**6100**	**6000**
Australia	6183	5662	5431	5772	6092	5773	5273	6041	6100	6000E
DEVELOPING COUNTRIES AND TERRITORIES	**30044**	**32584**	**34144**	**40243**	**43010**	**45593**	**47985**	**53672**	**53393**	**52540**
AFRICA	-	-	-	-	-	**2845**	**2680**	**4621**	**4639**	**4753**
Algeria	-	-	-	-	-	2670#	2500	2600E	2600E	2500E
Egypt	-	-	-	-	-	-	-	1862#	1900E	2089#
Zimbabwe	-	-	-	-	-	175#	180E	159#	139#	164#
AMERICA	**13198**	**14615**	**16689**	**21095**	**23387**	**24019**	**24253**	**27095**	**26914**	**23577**
Argentina	809	833	815	820	876	881	904	811	928#	850E
Brazil	10629	12347	14417	18880	21000#	21471	21871#	24952#	24703#	21395
Colombia	315	338	361	259	324	390	405	396	400E	414#
Mexico	1157	1097	1096	1136	1187	1277	1073	936#	883#	918#
Venezuela	288	-	-	-	-	-	-	-	-	-
ASIA	**12884**	**14076**	**13450**	**15084**	**15318**	**14824**	**17296**	**18179**	**18060**	**20910**
India	7039	7600	7480	8102	8115	8134	9021#	9315	10189	12000E
Philippines	3574	3798	3101	3948	3900	3774	4307	4607	4679	4402#
Turkey	2271#	2678#	2869#	3034#	3303#	2916#	3968#	4257#	3192#	4508#
EUROPE	**3962**	**3893**	**4005**	**4064**	**4305**	**3905**	**3756**	**3777**	**3780**	**3300**
Yugoslavia	3962#	3893#	4005#	4064#	4305#	3905#	3756#	3777#	3780#	3300E
COUNTRIES IN EASTERN EUROPE	**206496**	**202062**	**204613**	**207381**	**199187**	**207893**	**201948**	**199248**	**194912**	**182611**
Bulgaria	2700E	3000E	3000E	3000E	3196	3000	2717	2287	2365	1863
Czechoslovakia	15007	14747	14315	13587	14008	14150	13000	12464	13076	12950
Germany (former German Dem. Rep.)	3133	3063	3168	3279	3148	3296	3207	3346	3199#	2500E
Hungary	4106	4224	4001	3591	3332	3342	3023	2875	2900#	1773
Poland	14366	13168	14100E	15127	14586	15618#	15401	14054#	12993	11779
Romania	12527	12014	11529	13797	13570	14021	14000E	13880#	13002#	8846
USSR	154657	151846	154500	155000E	147347	154466	150600	150342#	147407#	142900#
SOCIALIST COUNTRIES OF ASIA	**52910**	**56070**	**58620**	**66760**	**68180**	**72920**	**79410**	**81500**	**82500**	**84000E**
China	52910	56070	58620	66760	68180	72920	79410	81500	82500	84000E

1 Sinter: agglomeration of natural ore fines, ore concentrates, flue dust and other iron bearing materials.

6. IRON ORE: Exports

(thousand tonnes, natural weight)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD	**370194**	**325387**	**313814**	**372501**	**376577**	**364410**	**369140**	**401913**	**420269**	**396437**
DEVELOPED MARKET ECONOMY COUNTRIES	**163782**	**139439**	**136716**	**162791**	**164202**	**151986**	**149254**	**169294**	**180769**	**167984**
AMERICA	**47070**	**30429**	**28619**	**35785**	**37238**	**35548**	**34755**	**35808**	**35587**	**30221**
Canada	41436	27201	24778	30712	32124	30995	29662	30523#	30222#	27038#
United States	5634#	3228#	3841#	5073#	5114#	4553#	5093#	5285#	5365#	3183#
EUROPE	**29027**	**22644**	**23785**	**27456**	**27724**	**25693**	**25142**	**25550**	**24716**	**23564**
EEC[1]	*25#*	*7#*	*3#*	*5#*	*5#*	*6#*	*21#*	*116#*	*52#*	*411#*
Belgium-Luxembourg	19	-	-	-	15	1	3	7#	11#	16#
Denmark	9	15	12	7	7	5	3	4#	2#	4#
France	6378	5837	5031	4752	4628	4169	3740	3725#	3462#	3280#
Germany, Federal Republic of	6	6	8	3	3	5	6	20#	7#	4#
Greece	..	..	..	..	-	-	-	- #	24#	..
Italy	-	1	1	-	1	-	-	- #	- #	- #
Netherlands	240	149	14	22	55	49	105	223	127	82#
Spain	1147	1869	1579	1973	2128	1791	1991	2282#	1632#	1633#
United Kingdom	20	1	1	-	6	1	1	2#	2#	2#
EFTA	*21208*	*14766*	*17139*	*20699*	*20881*	*19673*	*19293*	*19287*	*19449*	*18543*
Austria	-	-	-	1	-	8	1	-	-	-
Finland	23	-	-	-	-	-	-	-	-	-
Norway	3482	2166	2945	3083	2578	2532	2530	1757#	1987#	2113#
Sweden	17703	12597	14194	17615	18303	17133#	16762	17530#	17462#	16430#
SOUTH AFRICA	**13714**	**11356**	**7811**	**11870**	**10226**	**8850**	**8802**	**11503#**	**14566#**	**17029#**
OCEANIA	**73971**	**75010**	**76501**	**87680**	**89014**	**81895**	**80555**	**96433**	**105900**	**97170**
Australia[2]	71147#	72711#	74039#	85480#	86914#	79678#	78594#	94969#	104500#	96156
New Zealand	2824	2299	2462	2200	2100	2217	1961	1464#	1400E	1014#
DEVELOPING COUNTRIES AND TERRITORIES	**161780**	**142612**	**133893**	**163788**	**168495**	**166256**	**174453**	**189556**	**199620**	**192153**
AFRICA	**31138**	**25477**	**24987**	**27770**	**25540**	**22920**	**22525**	**23869**	**23992**	**15325**
Algeria	1479	1420	1398	974	7	48	13	-	20#	18#
Liberia	20694	16304	15704	16870	16100	13940	13510	13779	12747	3887#
Mauritania	8860#	7753	7385#	9526#	9333#	8929	9002	10005#	11138#	11356#
Morocco	5	-	-	-	-	-	-	80#	82#	59#
Other Africa	100	-	500	400	100	3	-	5	5E	5E
AMERICA	**104377**	**89506**	**85106**	**106718**	**110855**	**111521**	**118745**	**128843**	**137539**	**137993**
Bolivia	-	-	-	-	-	-	-	15	25#	225#
Brazil	80984	72712	69961	88571#	91781#	92288#	97288#	105303#	111641#	114296#
Chile	5640	5600	4700	5600	4800	4846#	5329#	6397#	7422#	6546#
Peru[2]	5348	4612	4200	4091	5242	4360#	4430	4668#	4014	3306#
Venezuela	12405	6582	6245	8456	9032	10027#	11698	12460#	14437#	13620#
ASIA	**26236**	**27608**	**23800**	**29300**	**32100**	**31815**	**33183**	**36845**	**36081**	**38302**
India	22403	24372	20700	25700	28800	28135#	28981	32079#	33479#	34000E
Indonesia	2	11	-	-	-	-	-	-	-	-
Malaysia	31	25	-	-	-	-	-	2#	2#	2E
Philippines	3800E	3200E	3100E	3600E	3300E	3680	4202	4764	4600	4300#
EUROPE	**29**	**21**	-	-	-	-	-	-	**8#**	**533**
Yugoslavia	29	21	-	-	-	-	-	-	8#	533
COUNTRIES IN EASTERN EUROPE	**44632**	**43336**	**43005**	**45922**	**43880**	**46168**	**45433**	**43063**	**39880**	**36300**
USSR	44132	42836	42805	45922	43880	46168#	45433#	43063#	39880#	36300#

1 EEC: excluding the Community's internal trade.

2 Dry weight.

7. IRON ORE: Exports[1]

(thousand tonnes, Fe content)

Region country or area	% Fe	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD		**229992**	**204667**	**193450**	**230045**	**232451**	**226871**	**230052**	**254351**	**266246**	**248696**
DEVELOPED MARKET ECONOMY COUNTRIES		**102572**	**90245**	**84762**	**100145**	**99593**	**93383**	**92981**	**105965**	**113333**	**105199**
AMERICA		**29689**	**19204**	**18054**	**22591**	**23479**	**22450**	**21957**	**22952**	**22799**	**19105**
Canada	63.3	26105	17137	15610	19349	20211	19527	18687	19596#	19403#	17101
United States	63,2	3584#	2067#	2444#	3242#	3268#	2923#	3270#	3356#	3396#	2004#
EUROPE		**15548**	**12135**	**13142**	**14996**	**15143**	**14089**	**13914**	**14917**	**14508**	**13889**
EEC[2]	-	*8*	*2*	*1*	*2*	*2*	*2*	*7*	*39*	*18*	*139*
Belgium-Luxembourg	-	5	-	-	-	5	-	1	2	3	5
Denmark	-	4	6	5	3	3	2	1	1	-	-
France	31.5	1977	1809	1560	1473	1435	1292	1159	1154	1073	1033
Germany, Federal Rep. of	15.0	2	2	2	1	1	1	1	4	1	1
Netherlands	57.0	144	89	8	13	32	28	60	127	72	47
Spain	46.0	574	1009	853	1065	1080	968	1075	1232	881	751
United Kingdom	22.5	12	-	-	-	4	-	-	-	-	..
EFTA		*12830*	*9220*	*10714*	*12441*	*12583*	*11798*	*11617*	*12397*	*12478*	*12052*
Finland	-	14	-	-	-	-	-	-	-	-	-
Norway	65.0	1836	1408	1914	1696	1418	1294	1392	967	1093	1373
Sweden	65.0	10980	7810	8800	10745	11165	10504	10225	11430	11385	10679#
SOUTH AFRICA	**65.0**	**9316**	**7605**	**4914**	**7497**	**6426**	**5607**	**5544**	**7247**	**9176**	**11089**
OCEANIA		**48019**	**51301**	**48652**	**55061**	**54545**	**51237**	**51568**	**60849**	**66850**	**61136**
Australia	63.0	46466	50037	47298	53851	53390	50027#	50583	60115	66148	60578
New Zealand	55.0	1553	1264	1354	1210	1155	1210	983	734	702	558
DEVELOPING COUNTRIES AND TERRITORIES		**103780**	**91469**	**85893**	**105561**	**109602**	**110606**	**112992**	**122548**	**128985**	**121717**
AFRICA		**20416**	**16704**	**16336**	**18205**	**16896**	**15527**	**14909**	**15734**	**15790**	**9997**
Algeria	52.0	739	710	699	487	4	23	6	-	10#	9#
Liberia	67.0	13865	10924	10522	11303	10787	9700	9052	9231	8540	2607
Mauritania	65.0	5746	5070	4812	6175	6045	5804	5851	6503	7240	7381
Morocco	60.0	3	-	-	-	-	-	-	-	-	-
Other Africa		63	-	303	240	60	-	-	-	-	-
AMERICA		**67009**	**57582**	**54739**	**68604**	**72162**	**72100**	**76846**	**83555**	**89159**	**87303**
Brazil	65.0	51820	46536	44775	56685	59658#	59987	63237	68447	72547	72292#
Chile	66.0	3835	3808	3196	3808	3264	3179#	3553	4254	4935	4320#
Peru	65.9	3574	3090	2772	2700	3460	2817#	2920	3010	2589	2179#
Venezuela	62.5	7780	4148	3996	5411	5780	6117#	7136	7844#	9088#	8512#
ASIA		**16341**	**17173**	**14818**	**18752**	**20544**	**22979**	**21237**	**23259**	**24036**	**24172**
India	63.0	13890	15111	12834	16448	18432	20624	18548	20210	21092	21420
Indonesia	-	1	6	-	-	-	-	-	-	-	-
Malaysia	-	18	8	-	-	-	-	-	-	-	-
Philippines	64.0	2432	2048	1984	2304	2112	2355	2689	3049	2944	2752
EUROPE		**14**	**10**	-	-	-	-	-	-	-	**245#**
Yugoslavia	46.0	14	10	-	-	-	-	-	-	-	245#
COUNTRIES IN EASTERN EUROPE		**23640**	**22953**	**22795**	**24339**	**23256**	**24882**	**24079**	**25838**	**23929**	**21780**
USSR	60.0	23390	22703	22687	24339	23256	24882	24079	25838#	23928#	21780#

1 Exports: Quantities of iron ore units exported during the calendar year.

2 EEC: excluding the Community's internal trade.

8. IRON ORE: Network of exports by major region of destination, 1990

(million tonnes, natural weight)

Exports to / Exports from	World	Developed market economy countries					Developing countries	Eastern Europe	Socialist Asia
		Total	United States	Japan	EEC	Others			
WORLD	**396.4**	**278.1**	**17.9**	**118.6**	**129.7**	**11.9**	**61.1**	**42.1**	**15.0**
DEVELOPED MARKET ECONOMY COUNTRIES	**168.0**	**129.6**	**9.4**	**57.9**	**55.2**	**7.1**	**26.7**	**1.3**	**10.3**
Australia (e)	96.2	68.9	0.1	49.9	18.9	-	16.9	0.1	10.3
Canada	27.0	25.7	9.2	1.8	14.5	0.2	1.3	-	-
EEC	5.0	4.6	-	-	4.6	-	-	0.4	-
Sweden	16.4	13.5	0.1	0.4	11.0	2.0	2.2	0.7	-
South Africa (e)	17.0	10.7	-	4.8	4.4	1.5	6.3	-	-
Others	6.3	6.2	-	1.0	1.8	3.4	-	0.1	-
DEVELOPING COUNTRIES AND TERRITORIES	**192.1**	**147.0**	**8.5**	**60.7**	**74.5**	**3.3**	**33.4**	**7.0**	**4.7**
Brazil	114.3	83.7	4.1	29.2	48.9	1.5	23.6	3.0	4.0
Chile	6.5	5.7	0.1	3.8	1.8	-	0.8	-	-
India (e)	34.0	25.0	-	21.0	2.5	1.5	5.5	3.0	0.5
Liberia	3.9	3.8	-	-	3.8	-	0.1	-	-
Mauritania	11.4	11.1	0.7	0.2	10.2	-	0.3	-	-
Peru	3.3	0.7	0.1	0.6	-	-	2.5	-	0.1
Venezuela	13.6	12.5	3.5	1.6	7.2	0.2	0.4	0.6	0.1
Others	5.1	4.5	-	4.3	0.1	0.1	0.2	0.4	-
SOCIALIST COUNTRIES IN EASTERN EUROPE	**36.3**	**1.5**	**-**	**-**	**-**	**1.5**	**1.0**	**33.8**	**-**

Note: On the basis of information available to the secretariat as of 1 July 1991.

9. PELLETS : Exports

(thousand tonnes)

Country or area	1986	1987	1988	1989	1990
Australia	1,706	2,111	2,011	1,624	1,668
Brazil	22,254	19,962	23,765	23,335	20,040
Canada	17,488	13,078	17,569	17,325	12,776
Chile	3,013	3,284	3,549	3,587	3,423
India[1]	154	825	1,640	1,923	1,840
Liberia	3,188	3,227	3,201	3,320	1,455
Norway	..	..	1,060	1,052	1,247
Peru	1,499	1,752	1,515	1,503	1,153
Sweden	6,259	6,143	6,535	6,494	6,499
United States	4,551	5,049	5,232	2,874	3,018
USSR	10,927	10,866	10,892	10,733	10,320
Venezuela	22	434	849	1,159	1,184
TOTAL	**71,061**	**66,731**	**77,818**	**74,929**	**68,623**

[1] Fiscal year (April to March)

10. IRON ORE: Imports

(thousand tonnes, natural weight)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD	**370850**	**337145**	**316730**	**368846**	**374523**	**363038**	**365371**	**394136**	**413254**	**394305**
DEVELOPED MARKET ECONOMY COUNTRIES	**286707**	**255262**	**232966**	**277108**	**280268**	**262928**	**261008**	**288040**	**301696**	**289855**
AMERICA	**34579**	**18271**	**17553**	**22383**	**21824**	**22384**	**22080**	**24917**	**24954**	**22168**
Canada	5792	3357	4013	4947	5800	5367	5213	4791#	5348#	4115#
United States	28787	14914	13540	17436	16024	17017	16867	20126	19606#	18053#
EUROPE	**128719**	**115092**	**106209**	**129302**	**133907**	**125251**	**126852**	**139277**	**147161**	**140497**
EEC[1]	*112288#*	*99453#*	*92243#*	*113790#*	*119556#*	*115343#*	*118507#*	*126564#*	*136079#*	*124286#*
Belgium-Luxembourg	21148	18613	17520	19628	18997	18056	18385	20795#	19787#	20278#
Denmark	127	183	63	1	2	3	8	3#	6#	3#
France	16511	14943	12553	16088	16220	16191	15056	18727#	19955#	18807#
Germany, Federal Republic of	44288	38909	35499	42500	45007	41632	39583	45169#	47170#	43730#
Greece	-	-	-	-	-	2	-	-	-	-
Italy	15196	16066	13798	19240	18295	17601	16523	16200#	18201#	17203#
Netherlands	6660	6160	4979	7238	8507	7066	7049	7562	8153	8303
Portugal	524	263	471	375	683	543#	764	477#	689#	449#
Spain	4687	4579	4202	4221	5023	4286	5767	5556#	6935#	6705#
United Kingdom	14582	10572	13169	14160	15405	14558	18028	17867#	19179#	17622#
EFTA	*4996*	*4804*	*3955*	*5851*	*5768*	*5312*	*5689*	*6921*	*7086*	*7397*
Austria	3423	3241	2391	3890	3685	3204#	3311	4164	4192#	3892#
Finland	1495	1493	1299	1856	1756	1987#	2261	2400#	2600#	3158
Iceland	16	12	13	16	23	25	17	23	17	18
Norway	11	47	225	40	230	18	21	193#	23#	12#
Sweden	1	5	19	39	68	67#	70#	129	254#	317#
Switzerland	50	6	8	10	6	11	9	12	-	-
ASIA	**123362**	**121808**	**109152**	**125371**	**124513**	**115234**	**112034**	**123377**	**127709**	**125290**
Japan	123362	121808	109152	125371	124513	115234	112034	123377#	127709#	125290#
OCEANIA	**47#**	**91#**	**52#**	**52#**	**24#**	**59#**	**42#**	**469#**	**1872#**	**1900E**
Australia	47#	91#	52#	52#	24#	59#	42#	469#	1872#	1900E
DEVELOPING COUNTRIES AND TERRITORIES	**23879**	**25533**	**26447**	**28819**	**31472**	**34395**	**38473**	**42574**	**53080**	**50708**
AFRICA	**12**	**32**	**11**	**16**	**13**	**71**	**63**	**198**	**858**	**390E**
Algeria	- E	-	-	16	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	152#	770E	300E
Tunisia	12	32	11	-	13	71	63	46	88	90E
AMERICA	**3005**	**2107**	**1904**	**2213**	**2455**	**3283**	**3387**	**3590**	**4476**	**4551#**
Argentina	2558	2106	1904	2213	2455	3183	3342	3131#	3816#	3200E
Mexico	447	1	-	-	-	100#	45	459#	660#	363#
Trinidad and Tobago	..	..	..	..	..	..	..	..	..	988#
ASIA	**19502**	**21917**	**22964**	**25024**	**26824**	**29694**	**33942**	**37300**	**45441**	**43769**
Indonesia	700	400E	1100E	900E	1600E	1400E	1400E	1400E	2000#	2000E
Malaysia	25	33	28	414	831	1026	819	452#	912#	800E
Pakistan	313	524	914	922	1243	1469	1105	1528	1393	1400E
Philippines	3800E	3300E	3200E	3600E	3300E	3700E	4000E	4400E	4200E	4600#
Qatar	686	715	580	752	840E	800E	700E	800E	900E	900E
Republic of Korea	10688	11464	10121	10287	11167	11941	16607	16479	22790#	22500#
Saudi Arabia	43	96	288	965	1044	1385	1478	1245	1652	1700E
Singapore	31	25	13	7	13	7	1	10E	1	5
Syrian Arab Republic	..	..	..	..	..	..	..	..	..	2#
Taiwan Province of China	2413	4106	5004	5228	4939	5358	6140	8477	8370	7760
Turkey	728#	1064#	1546#	1849#	1747#	2428#	1532#	2369#	2243#	1952#
United Arab Emirates	75	190	170	100E	100E	180	160	140E	150E	150E
EUROPE	**1360**	**1477**	**1568**	**1566**	**2180**	**1347**	**1081**	**1486**	**2305**	**1998**
Yugoslavia	1360	1477	1568	1566	2180	1347	1081	1486#	2305#	1998#

10. IRON ORE: Imports
(concluded)

(thousand tonnes, natural weight)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
COUNTRIES IN EASTERN EUROPE	**56858**	**52414**	**52820**	**56749**	**52369**	**53170**	**53193**	**49923**	**46015**	**38700**
Bulgaria	2280	2360	2313	2286	2215	2248	2308	2112	1920	1964#
Czechoslovakia	15682	15290	15305	15024	11268	11264	10366	10058#	9765#	8700E
Germany (former German Dem. Rep.)	4245	3116	2971	3179	4324	4100E	4300E	4200E	4000E	2800E
Hungary	3765	3757	3967	4170	2382	3414	3403	2885#	3263#	2882
Poland	15870	13493	13787	17127	16973	16644#	17116	16668#	13441#	11013#
Romania	15016	14398	14477	14963	15207	15500	15700E	14000E	13626#	11341#
SOCIALIST COUNTRIES OF ASIA	**3406E**	**3936**	**4497**	**6170**	**10414**	**12546**	**12698**	**13600**	**13293**	**15043**
China	3336	3451	4385	5970	10114	12046	12098	12900	12593#	14343
Democratic People's Republic of Korea	70E	485E	112E	200E	300E	500E	600E	700E	700E	700E

1 EEC: excluding the Community's internal trade.

11. EEC: Iron ore imports by origin/destination, 1990

(thousand tonnes, natural weight)

Origin \ Destination	Federal Rep. of Germany	France	Italy	Netherlnds	Belgium Luxembrg	United Kingdom	Denmark	Spain	Portugal	EEC
Non agglomerated ores[1]										
Total	*27,780*	*18,436*	*14,515*	*8,273*	*19,726*	*15,485*	*2*	*4,403*	*275*	*104,275* [a]
of which:										
EEC	22	225	78	434	3,473	373	0	0	15	-
Australia	5,255	4,345	1,648	1,395	1,486	4,689	-	697	-	19,515
Brazil	13,438	6,205	4,831	2,443	6,403	3,434	-	1,560	-	38,389
Canada	3,665	1,632	504	801	616	1,696	-	230	134	9,278
Liberia	1,631	504	714	-	123	60	-	181	-	3,213
Mauritania	126	2,321	2,375	31	2,563	1,186	-	826	51	9,479
Norway	52	653	-	1,460	222	100 E	-	-	-	2,487
South Africa	1,107	776	1,588	593	97	2,628	-	-	-	6,789
Sweden	1,796	410	-	0	2,893	143	2	-	-	5,244
Venezuela	679	993	1,016	427	1,541	1,175	-	821	-	6,652
Others	6	371	1,761	689	309	-	-	88	-	3,224
Agglomerated ores[2]										
Total	*15,950*	*371*	*2,688*	*30*	*552*	*2,137*	*0*	*2,302*	*174*	*23,958* [a]
of which:										
EEC	129	-	-	0	117	-	-	0	-	-
Australia	-	-	-	-	-	5	-	-	-	5
Brazil	6,238	1	1,572	-	-	-	-	1,893	-	9,704
Canada	2,346	220	607	28	-	1,426	-	337	174	5,138
Liberia	1,527	-	410	-	-	-	-	-	-	1,937
Mauritania	-	-	-	-	-	-	-	-	-	-
Norway	421	-	-	1	389	700 E	-	-	-	1,511
South Africa	59	-	-	-	-	-	-	-	-	59
Sweden	3,902	-	-	0	46	6	-	-	-	3,954
Venezuela	64	-	98	-	-	-	-	-	-	162
Others	1,262	150	-	1	-	-	-	72	-	1,485
Total	**43,730**	**18,807**	**17,203**	**8,303**	**20,278**	**17,622**	**3**	**6,705**	**449**	**128,233** [a]

Notes: Without Greece, Ireland not concerned.
[1] Non-agglomerated ores: run of mines; fines; lumps; pellet-feed an d concentrates.
[2] Agglomerated ores: pellets or sinter.
[a] Third countries only.

12. EASTERN EUROPE: Iron ore imports by origin/destination, 1990

(thousand tonnes, natural weight)

Origin \ Destination	Poland	Romania (e)	Czechoslovakia (e)	Germany (fromer Dem.Rep.) (e)	Hungary	Bulgaria
Brazil	415	900	1,200	200	-	-
India	-	2,741	190	700	19	-
Norway	-	-	60	-	-	-
Sweden	158	-	110	350	-	-
USSR	10,029	7,300	6,900	1,550	2,693	1,964
Venezuela	301	-	240	-	-	-
Others	-	400	-	-	168	-
Total	**11,013**	**11,341**	**8,700 E**	**2,800 E**	**2,882**	**1,964**

13. JAPAN: Iron ore imports by origin, 1990

(thousand tonnes, natural weight)

Origin	Non-agglomerated[1]	Agglomerated[2]	Total
Australia	52,192	1,660	53,853
Brazil	26,212	3,987	30,198
Canada	1,923	-	1,923
Chile	2,286	1,664	3,950
India	20,709	44	20,753
Korea Republic of	138	-	138
Mauritania	198	-	198
New Zealand[3]	1,275	-	1,275
Peru	413	451	864
Philippines[4]	-	4,849	4,849
Liberia	-	-	-
South Africa	4,805	0	4,805
Sweden	393	206	599
Venezuela	1754	44	1798
Others	72	15	87
Total	**112,370**	**12,920**	**125,290**

1 Non-agglomerated ores: run of mines; fines; lumps; pellet-feed an dconcentrates.

2 Agglomerated ores: pellets or sinter.

3 Iron ore sands.

4 Sinter produced from fines imported via Japan from Australia (50 per cent), Brazil (40 per cent) and Canada (10 per cent).

14. REPUBLIC OF KOREA: Iron ore imports by origin, 1990

(thousand tonnes, natural weight)

Origin	Non-agglomerated[1]	Agglomerated[2]	Total
Australia	9,300	90	9,390
Brazil	6,810	290	7,100
Canada	600	-	600
Chile	390	210	600
India	3,080	-	3,080
Peru	1,170	560	1,730
Total	**21,350**	**1,150**	**22,500**

1 Non-agglomerated ores: run of mines; fines; lumps; pellet-feed and concentrates.

2 Agglomerated ores: pellets or sinter.

15. IRON ORE: Value of exports[1]

(million dollars)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD	**7739.3**	**7033.0**	**6536.6**	**7015.2**	**7042.7**	**6909.2**	**6905.2**	**7496.1**	**8220.1**	**8748.9**
DEVELOPED MARKET ECONOMY COUNTRIES	**3584.8**	**3045.8**	**2927.3**	**3141.8**	**3120.4**	**2860.0**	**2698.7**	**3034.7**	**3345.9**	**3675.8**
AMERICA	**1468.2**	**985.7**	**956.0**	**1098.0**	**1097.3**	**1001.9**	**928.9**	**1010.7**	**992.0**	**842.6**
Canada	1223.5	835.2	773.3	858.7	857.1	797.1	730.6	816.9#	799.3#	719.4#
United States	244.7	150.5	182.7	239.3	240.2	204.8	198.3	193.8	192.7	123.2#
EUROPE	**493.5**	**362.9**	**366.8**	**433.1**	**458.0**	**404.0**	**441.1**	**474.8**	**512.0**	**568.7**
EEC[2]	*0.4#*	*0.8#*	*0.4#*	*0.6#*	*0.5#*	*0.9#*	*1.0#*	*1.1#*	*2.2#*	*4.1#*
Belgium-Luxembourg	0.2	0.1	-	-	0.6	0.1	0.2	0.7#	0.8#	1.4#
Denmark	0.2	0.3	0.2	0.1	0.1	0.1	0.1	-	-	-
France	42.7	34.9	26.3	21.7	21.8	26.2	28.7	29.6#	27.1#	31.1
Germany, Federal Republic of	0.5	0.4	0.5	0.4	0.3	0.5	0.7	1.1#	0.8#	0.6#
Italy	-	0.1	0.1	0.1	-	0.1	-	-	0.2#	0.1#
Netherlands	7.3	5.6	1.5	1.3	2.5	1.2	5.3	7.7#	6.1	5.3
Spain	17.5	17.7	14.3	16.2	19.3	16.3	17.5	19.5#	15.3#	17.7#
United Kingdom	-	-	0.1	-	0.1	0.2	0.2	0.3#	0.2#	0.5#
EFTA	*425.1*	*303.8*	*323.8*	*393.3*	*413.3*	*359.3*	*388.4*	*415.9*	*461.5*	*512.0*
Austria	-	-	-	0.1	-	0.3	-	-	-	-
Finland	1.6	-	-	-	-	-	-	-	-	-
Norway	98.8	58.2	69.6	66.4	54.8	55.3	53.4	42.5#	50.0#	61.5#
Sweden	324.7	245.6	254.2	326.8	358.5	303.7#	335.0	373.4	411.5#	450.5#
SOUTH AFRICA	**248.6**	**217.0**	**158.8**	**168.1**	**145.7**	**132.1**	**131.8**	**146.1#**	**209.2#**	**299.0#**
OCEANIA	**1374.5**	**1480.2**	**1445.7**	**1442.6**	**1419.4**	**1322.0**	**1196.9**	**1403.1**	**1632.7**	**1965.5**
Australia	1348.2#	1456.9#	1420.0#	1421.0#	1400.0#	1300.9#	1181.6#	1390.8#	1620.0#	1960.0#
New Zealand	26.3	23.3	25.7	21.6	19.4	21.1	15.3	12.3#	12.7#	5.5E
DEVELOPING COUNTRIES AND TERRITORIES	**3243.4**	**3054.1**	**2643.4**	**2913.1**	**3021.1**	**2927.2**	**2991.1**	**3318.1**	**3826.6**	**4086.9**
AFRICA	**511.8**	**479.2**	**403.1**	**438.3**	**429.3**	**384.6**	**352.1**	**365.0**	**473.1**	**490.7**
Algeria	17.9	23.6	16.0	10.7	0.1E	0.5	0.2E	-	0.3#	9.0#
Liberia	325.4	311.1	267.3	282.2	279.4	241.0	217.9	220.0E	286.0E	260.0E
Mauritania	167.2#	144.5#	114.0#	141.1#	148.7#	143.0#	134.0#	143.5#	185.1#	220.2#
Morocco	0.1	-	-	-	-	-	-	1.3#	1.5E	1.3#
Other Africa	1.2	-	5.8	4.3	1.1	0.1	-	0.2#	0.2E	0.2E
AMERICA	**2238.9**	**2021.5**	**1774.9**	**1971.2**	**2031.3**	**2017.6**	**2052.0**	**2286.1**	**2647.5**	**2876.3**
Bolivia	-	-	-	-	-	-	-	0.2	0.3	3.0E
Brazil	1650.5E	1590.9E	1426.5E	1605.3	1658.0	1624.0	1615.4#	1900.4#	2176.0#	2436.5#
Chile	162.0	158.0	112.0	111.0	91.0	92.3#	95.7#	105.4	141.0E	125.0#
Peru	92.0	85.8	74.8	57.9	72.8	74.3#	70.9	61.0#	60.2E	51.8#
Venezuela	334.4	186.8E	161.6E	197.0E	209.5E	227.0E	270.0	219.1#	270.0E	260.0E
ASIA	**491.5**	**552.6**	**465.4**	**503.6**	**560.5**	**525.0**	**587.0**	**667.0**	**705.0**	**716.0**
India	384.8	450.0	371.9	409.6	477.5	435.0#	490.0E	560.0E	592.0E	610.0E
Indonesia	-	0.1	-	-	-	-	-	-	-	-
Malaysia	0.7	0.5	0.5	-	-	-	-	-	- #	-
Philippines	106.0E	102.0E	93.0E	94.0E	83.0E	90.0E	97.0E	107.0E	113.0E	106.0E
EUROPE	**1.2**	**0.8**	-	-	-	-	-	-	**1.0**	**3.9**
Yugoslavia	1.2	0.8#	-	-	-	-	-	-	1.0#	3.9#
COUNTRIES IN EASTERN EUROPE	**911.1**	**933.1**	**965.9**	**960.3**	**901.2**	**1122.0**	**1215.4**	**1143.3**	**1047.6**	**986.2**
USSR	901.6	923.8	960.9	960.3	901.2	1122.0	1215.4	1143.3	1047.6	986.2#

[1] Value of exports: f.o.b. value per metirc ton of iron ore exported, converted to United States dollars using exchange rates indicated by governments, or converted on the basis of exchange rates supplied by I.M.F.

[2] EEC: excluding the Community's internal trade.

16. IRON ORE: Value of Imports[1]

(million dollars)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD	**9969.9**	**9116.5**	**8284.1**	**8803.2**	**9014.6**	**8798.0**	**8418.5**	**9036.6**	**10453.9**	**11113.4**
DEVELOPED MARKET ECONOMY COUNTRIES	**8090.7**	**7299.1**	**6463.5**	**6883.8**	**6818.1**	**6619.1**	**6297.0**	**6815.6**	**7668.6**	**8401.2**
AMERICA	**1367.3**	**744.0**	**717.3**	**854.1**	**809.2**	**760.9**	**672.6**	**753.9**	**720.2**	**793.3**
Canada[2]	246.0	156.0	189.3	226.1	255.6	212.0	194.6	185.1#	197.9#	146.1#
United States	1121.3	588.0	528.0E	628.0E	553.6	548.9	478.0	568.8	522.3#	647.2#
EUROPE	**3218.4**	**2923.3**	**2599.3**	**2829.1**	**3063.5**	**3098.1**	**3005.9**	**3203.8**	**3771.1**	**4186.2**
EEC[3]	*2823.2#*	*2568.8#*	*2323.3#*	*2508.2#*	*2721.5#*	*2829.1#*	*2814.6#*	*2898.6#*	*3298.4#*	..
Belgium-Luxembourg	395.0	318.6	278.5	307.7	336.5	335.2	341.1	390.5#	404.2#	485.1#
Denmark	5.4	8.3	2.8	0.3	0.4	0.8	0.9	- #	1.1	0.8#
France	420.2	381.8	311.7	338.9	359.5	347.7	300.2	377.5#	473.6#	510.6#
Germany, Federal Republic of	1124.8	1051.9	965.9	1029.2	1122.9	1266.7	1121.0	1172.6#	1328.2#	1472.1#
Greece	-	-	-	-	0.1	0.3	-	- #	-	-
Italy	387.5	418.4	349.4	432.0	407.9	389.3	354.4	289.9#	455.9#	472.4#
Netherlands	161.6	144.0	100.4	137.0	166.7	154.2	146.8	146.0	144.0	174.0
Portugal	16.3	6.6	12.1	9.5	17.5	12.8	18.6	13.0#	18.7#	14.8#
Spain	150.7	140.9	111.3	106.9	125.2	100.7	125.5	138.9#	193.8#	207.6#
United Kingdom	388.3	296.3	353.5	302.9	371.8	341.7	432.7	473.5#	502.2#	588.3#
EFTA	*168.6*	*156.5*	*113.7*	*164.7*	*155.0*	*148.7*	*164.7*	*201.9*	*249.4*	*260.5*
Austria	123.6	112.8	75.5	121.8	111.3	99.2	110.6	144.3	143.6	152.7
Finland	42.0	41.1	32.3	39.4	36.5	44.7#	49.5	45.4#	95.0#	96.0E
Iceland	0.6	0.6	0.6	0.6	0.9	1.0	0.7	1.0	0.8	0.9
Norway	0.5	1.6	4.3	1.3	3.7	0.7	0.8	5.3#	0.9#	0.9#
Sweden	0.1	0.2	0.8	1.4	2.5	2.9#	2.9	5.7	9.1	10.0#
Switzerland	1.8	0.2	0.2	0.2	0.1	0.2	0.2	0.2	-	-
ASIA	**3503.7**	**3629.4**	**3145.4**	**3199.1**	**3044.9**	**2759.3**	**2618.4**	**2852.7**	**3137.3**	**3374.1**
Japan	3503.7	3629.4	3145.4	3199.1	3044.9	2759.3	2618.4	2852.7	3137.3	3374.1
OCEANIA	**1.3**	**2.4**	**1.5**	**1.5**	**0.5**	**0.8**	**0.1**	**5.2**	**40.0**	**47.6**
Australia	1.3	2.4#	1.5#	1.5	0.5	0.8#	0.1#	5.2#	40.0#	47.6
DEVELOPING COUNTRIES AND TERRITORIES	**672.6**	**726.9**	**747.3**	**817.0**	**910.1**	**914.1**	**962.2**	**1094.3**	**1464.6**	**1537.3**
AFRICA	**1.1**	**1.2**	**0.3**	**0.2**	**0.7**	**1.9**	**1.3**	**6.4**	**12.6**	**10.8E**
Algeria	- E	-	-	0.2	-	-	-	-	-	-
Nigeria	..	..	..	..	..	-	-	5.0	10.0E	8.0E
Tunisia	1.1	1.2	0.3	-	0.7	1.9	1.3	1.4	2.6	2.8E
AMERICA	**109.8**	**76.3**	**61.0**	**68.1**	**75.5**	**98.6**	**101.4**	**127.6**	**158.5**	**138.2**
Argentina	94.1	76.2	61.0	68.1	75.5	95.1	99.7	102.4#	137.0#	120.0E
Mexico	15.7	0.1	-	-	-	3.5#	1.7	25.2#	21.5#	18.2#
ASIA	**515.3**	**600.1**	**642.5**	**708.9**	**775.1**	**780.5**	**822.7**	**900.7**	**1202.5**	**1348.0**
Indonesia	34.4	15.0E	30.5E	24.0E	46.0E	42.5E	42.0E	46.0E	70.0E	74.0E
Malaysia	1.1	1.2	0.8	11.9	26.9	30.5	24.5	15.4#	38.1#	33.6E
Pakistan	13.6	17.6	35.4	31.2	35.9	38.8	29.2	46.9	46.8	47.6E
Philippines	100.0E	95.0E	93.0E	90.0E	86.0E	92.5E	96.0E	102.0E	105.0E	129.0E
Qatar	29.5E	31.7E	24.4E	29.7E	33.7E	31.3E	28.0E	30.0E	34.0E	36.0E
Republic of Korea	227.8	277.8	253.9	282.7	318.9	293.8	363.0	345.5	549.9#	642.5#
Saudi Arabia	1.7	5.1	14.7E	48.3E	53.2E	49.9	49.4	49.7	78.6	83.0E
Singapore	0.7	0.9	0.4	0.2	0.3	0.2	0.2	0.2E	0.2	0.7
Taiwan Province of China	67.9	119.6	139.3	130.0	118.3	126.3	146.3	187.7	211.0	227.6
Turkey	35.3#	33.2#	47.1#	58.9#	53.9#	72.8#	42.1#	75.3#	64.9#	69.7#
United Arab Emirates	3.3	3.0	3.0E	2.0E	2.0E	1.9E	2.0E	2.0E	4.0E	4.3E
EUROPE	**46.4**	**49.3**	**43.5**	**39.8**	**58.8**	**33.1**	**36.8**	**59.6**	**91.0**	**40.3**
Yugoslavia	46.4#	49.3#	43.5	39.8	58.8	33.1	36.8#	59.6#	91.0#	40.3#

16. IRON ORE: Value of Imports[1]
(concluded)

(million dollars)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
COUNTRIES IN EASTERN EUROPE	**1096.6**	**965.6**	**954.5**	**942.8**	**922.9**	**921.8**	**877.8**	**852.7**	**976.8**	**766.4**
Bulgaria	41.0E	44.6E	41.2E	38.2E	35.5E	35.0E	51.7E	51.3E	50.5E	42.9#
Czechoslovakia	368.2	365.0	375.8	360.4	344.4	358.4	290.0	272.0E	270.0E	244.0E
Germany (former German Dem. Rep.)	76.4E	58.8E	52.3E	52.0E	68.0E	66.0E	69.0E	62.0E	102.2#	75.0E
Hungary	58.4	50.7	42.4	41.7E	40.3	46.6	51.2	47.0E	58.1#	51.5
Poland	292.3	184.7	189.5	203.1	192.7	167.8	163.9	157.4	236.0E	209.0E
Romania	260.3E	261.8E	253.3E	247.4E	242.0E	248.0E	252.0E	263.0E	260.0E	144.0#
SOCIALIST COUNTRIES OF ASIA	**110.0**	**124.9**	**118.8**	**159.8**	**263.5**	**343.0**	**281.5**	**274.0**	**343.9**	**408.6**
China	108.2	110.7	116.3	156.5	258.8	335.4	269.5	260.0	329.9#	394.1
Democratic People's Rep. of Koera	1.8E	14.2E	2.5E	3.1E	4.7E	7.6E	12.0E	14.0E	14.0E	14.5E

1 Value of Imports: c.i.f. value per metric ton of iron ore imported expressed in United States dollars converted using exchange rates indicated by governments or on the basis of rates supplied by I.M.F.

2 F.o.b. basis

3 EEC: excluding the Community's internal trade

17. IRON ORE: Apparent consumption[1]

(thousand tonnes, natural weight)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD	**890739**	**829289**	**781068**	**871255**	**908311**	**913335**	**927945**	**952651**	**979142**	**971580**
DEVELOPED MARKET ECONOMY COUNTRIES	**432833**	**358000**	**307048**	**374796**	**382503**	**357631**	**365692**	**381032**	**398974**	**393076**
AMERICA	**114950**	**60514**	**60820**	**78628**	**73914**	**62961**	**71489**	**87033**	**88381**	**83190**
Canada	16341	11748	12561	14165	13474	11051	12071	14677	16268	12852
United States	98609	48766	48259	64463	60440	51910	59418	72356	72113	70338
EUROPE	**165258**	**146363**	**130748**	**154139**	**158048**	**148423**	**144853**	**154128**	**163059**	**153098**
EEC	*150113*	*132707*	*122458*	*142527*	*145321*	*134888*	*131912*	*140546*	*148891*	*139986*
Belgium-Luxembourg	21621	18653	17560	19628	18982	18055	18382	20788	19776	20282
Denmark	118	168	51	-6	-5	-2	5	-1	4	-1
France	31622	28776	23702	26366	28072	24582	22882	24874	25812	24247
Germany, Federal Republic of	45856	40211	38471	43477	46034	42344	39824	45219	47265	43810
Greece	1279	500	1300	1452	1712	1302	..	..	-24	..
Italy	15316	16075	13797	19240	18294	17601	16523	16200	18201	17203
Netherlands	6420	6011	4965	7216	8452	7017	6944	7339	8026	8221
Portugal	564	303	501	405	753	593	794	502	709	469
Spain	12023	10971	10563	10209	9358	8549	8268	7536	9913	8102
United Kingdom	15294	11039	13548	14540	15669	14846	18290	18089	19209	17673
EFTA	*15145*	*13656*	*8290*	*11612*	*12727*	*13535*	*12941*	*13582*	*14168*	*13112*
Austria	6471	6571	5931	7488	6985	6316	6360	6464	6602	6192
Finland	2336	2373	2159	2756	2556	2630	2909	2957	2600	3158
Iceland	16	12	13	16	23	25	17	23	17	18
Norway	597	1151	820	797	1122	1146	831	1080	394	-20
Sweden	5675	3546	-641	544	2035	3407	3015	3046	4555	3764
SOUTH AFRICA	**14605**	**13198**	**8794**	**12626**	**14713**	**15633**	**13206**	**13744**	**15392**	**13262**
ASIA	**123803**	**122170**	**109450**	**125695**	**124851**	**115525**	**112329**	**123655**	**127960**	**125498**
Japan	123803	122170	109450	125695	124851	115525	112329	123655	127960	125498
OCEANIA	**14217**	**15755**	**-2764**	**3708**	**10977**	**15089**	**23815**	**2472**	**4182E**	**18028**
Australia	13561	15074	-2502	3618	10557	14396	23196	1584	3182	17744
New Zealand	656	681	-262	90	420	693	619	888	1000E	284
DEVELOPING COUNTRIES AND TERRITORIES	**81102**	**83811**	**90490**	**96444**	**114733**	**131147**	**132934**	**134774**	**142940**	**142838**
AFRICA	**3314**	**8267**	**4738**	**4829**	**7016**	**9301**	**8365**	**6311**	**8215**	**7633**
Algeria	2002	2472	2286	2706	3373	3312	3562	3400	2728	2912
Egypt	1400	2200	2060	1889	2120	1999	2112	2400	2400	2420
Liberia	-1154	1696	-294	-770	20	1660	296	-971	-447	94
Mauritania	-387	457	-785	-526	-130	333	118	-223	976	60
Morocco	45	230	300	200	140	200	204	37	44	-9
Nigeria	.	.	.	.	.	.	.	152	770	300
Zimbabwe	1096	900	1000	1000	1200	1419	1720	1249	1471	1580
Other Africa	312	312	171	330	293	378	353	267	273	276
AMERICA	**32621**	**37823**	**37618**	**41955**	**54854**	**57358**	**56430**	**60295**	**59608**	**61637**
Argentina	3368	2706	2904	2913	3355	3893	4142	4293	4493	3800
Bolivia	.	.	.	.	.	.	.	.	-11	-100
Brazil	16916	20388	22139	23529	36419	38766	36817	40897	42102	40079
Chile	2010	160	470	-10	1040	1480	802	898	690	1265
Colombia	433	470	456	441	455	523	615	615	600	628
Mexico	6047	7661	8420	10543	8103	7681	7419	8289	8198	8477
Peru	721	1319	25	60	250	835	1137	510	-79	1
Trinidad and Tobago	..	..	..	..	..	..	..	..	..	988
Venezuela	3126	5119	3204	4599	5732	6180	5498	6013	3615	6499

17. IRON ORE: Apparent consumption[1]
(concluded)

(thousand tonnes, natural weight)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
ASIA	**39043**	**41160**	**41548**	**42779**	**45205**	**56523**	**61075**	**61139**	**68382**	**67972**
Hong Kong	30	30	30	-	-	-	-	-	-	-
India	19215	18380	17389	16610	15290	23034	22354	17882	17955	16000
Indonesia	698	389	1100	900	1600	1400	1400	1400	2000	2000
Iran, Islamic Republic of	..	..	..	..	1000	2000	3000	4300	5830	5500
Malaysia	522	408	128	574	1013	1234	980	659	1103	1138
Myanmar	3	3	3	3	-	-	-	-	-	..
Pakistan	313	524	914	922	1243	1469	1105	1528	1393	1400
Philippines	-	100	100	-	-	20	-202	-364	-400	300
Qatar	686	715	580	752	840	800	700	800	900	900
Republic of Korea	11243	12017	10712	10841	11709	12466	17117	17151	23134	22870
Saudi Arabia	43	96	288	965	1044	1385	1478	1245	1652	1700
Singapore	31	25	13	7	13	7	1	10E	1	5
Syrian Arab Republic	..	..	..	..	..	..	..	..	..	22
Taiwan Province of China	2413	4106	5004	5228	4939	5358	6140	6477	8370	7760
Thailand	60	30	70	70	94	37	97	99	160	120
Turkey	3711	4147	5047	5807	6320	7133	6745	7812	6334	8107
United Arab Emirates	75	190	170	100	100	180	160	140	150	150
EUROPE	**6124**	**6561**	**6586**	**6881**	**7658**	**7965**	**7064**	**7029**	**6735**	**5597**
Yugoslavia	6124	6561	6586	6881	7658	7965	7064	7029	6735	5597
COUNTRIES IN EASTERN EUROPE	**260978**	**259352**	**260773**	**264015**	**262421**	**263381**	**264602**	**260465**	**252835**	**241773**
Bulgaria	4034	3912	4116	4349	4200	4427	4165	3938	3533	3043
Czechoslovakia	17617	17151	17208	16893	13092	13048	12164	11831	11545	10410
Germany (former German Dem. Rep.)	4286	3157	3011	3215	4324	4100	4300	4200	4000	2800
Hungary	3961	3971	4182	4363	2566	3414	3403	2885	3263	2882
Poland	15975	13542	13797	17138	16985	16653	17122	16674	13448	11019
Romania	17320	16544	16464	16879	17494	17931	17981	16000	15626	11919
USSR	198285	201575	202195	201178	203760	203808	205467	204937	201420	199700
SOCIALIST COUNTRIES OF ASIA	**115826**	**118126**	**122777**	**136000**	**148654**	**161176**	**164718**	**176380**	**184393**	**193893**
China	107756	109641	114665	127800	140354	152676	156118	167680	174693	183693
Democratic People's Rep. of Korea	8070	8485	8112	8200	8300	8500	8600	8700	9700	10200

1 Apparent consumption: relates to production plus imports minus exports. Stocks not considered

18. IRON ORE: Reported consumption[1]

(thousand tonnes, natural weight)

Country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Algeria	..	..	..	..	..	2629#	..	..	2776#	2739#
Argentina	..	..	..	..	..	..	..	3753#	4675#	..
Australia	11401	10299	7857	9445	8088	10000#	..	..	10010#	10000#
Austria	5654	5161	5547	6309	6300	6385#	5665	5850	..	6104#
Brazil	16820	16706	19106	26322	27558	28698	32043#	..	26959	23747
Canada	15208#	11999#	13103#	14620#	15009#	14185#	14929#	14871#	15571#	11219#
Chile	..	..	..	..	..	..	..	..	1095	..
Colombia	..	..	..	..	..	..	..	615#	..	725#
Czechoslovakia	18807	18250	18046	18404	17919	17832	18035	17558	..	..
EEC	**154626**	**131971**	**128428**	**138668**	**144205**	**132627**	**131840**	**152002**	**152988#**	**146771#**
Belgium-lux.	21102	18509	18503	20539	19776	18372	18198	19765#	19288#	19752#
France	32387	28506	25620	26462	26606	24311	22701	24816#	25440#	24393#
Germany, Fed. Rep. of	46737	38377	37817	42719	45204	41477	40550	50295#	50964#	46735#
Italy	18449	17496	15835	17520	19352	18225	17090	19384#	18787#	18554#
Netherlands	6799	5381	5563	7284	7433	7047	7181	7979#	8228#	7901#
Portugal	508	386	576	478	616	636	639	729#	621#	554#
Spain	13807	12005	11299	10159	10042	8175	7795	7860#	9186#	8814#
United Kingdom	14116	11311	13215	13507	15176	14384	17682	21174#	20474#	20068#
Egypt	..	..	..	..	..	..	..	..	..	3980#
Finland	3113	3092	3010	3201	2964	3084#	3169	3370#	3540#	..
Germany (former Dem.Rep.)	4067	3542	3713	3891	3940	4416	4405	..	4307	..
Hungary	4487	4431	4083	4054	3817	3673	3563	2885#	3680#	..
Japan	111634	107390	101198	111598	111701	103046	101238	129369#	131573#	132161#
India	..	..	..	..	..	..	26159#	..	..	..
Malaysia	..	..	..	..	..	..	..	201#	154#	..
Mexico	..	..	..	..	5163	7563#	..	15529#	8691#	17849#
Morocco	..	..	..	..	..	..	..	17#	..	..
Norway	1144	940	1116	1034	1133	..	722	673#	..	..
Peru	..	..	190	74	332	413#	357	..	..	..
Philippines	..	..	..	..	..	..	..	34#	..	..
Poland	16801	15564	17307	17724	17218	18589#	18161	16245#	..	..
Republic of Korea	..	..	..	..	..	..	..	..	23000#	22968
Romania	..	..	..	..	..	..	..	..	..	13500#
Saudia Arabia	..	..	..	..	..	1750#	..	..	..	..
Sweden	2787	2804	3116	3464	..	2206#	3500e	3749	4357#	3881#
Syrian Arab Republic	..	..	..	..	..	..	..	..	..	10#
Trinidad and Tobago	..	..	..	..	..	..	..	..	..	1020#
Tunisia	..	..	..	..	..	..	..	350#	203#	..
Turkey	..	2239	2620	4552	4436	3705	5736	7504#	6744#	8734#
United States	97903#	57203#	63050#	68450#	66049#	57513#	62425#	73602#	74757#	79000#
Venezuela	..	..	4294	4324	4823	5453#	5498	5086	4595#	4977#
Yugoslavia	5207	5158	5480	..	..	6202	11466	4498	6220#	..
Zimbabwe	..	..	..	..	..	1142#	..	1024#	993#	1030#

1 Reported consumption: relates to domestic and imported ores in any form (ore, pellets, sinter) consumed in iron and steel plants, as well as ores consumed for non-metallurgical uses. Excluding as far as possible iron ore consumed in agglomeration plants.

19. IRON ORE: Reported consumption by product, 1990

(thousand tonnes)

Country or area	Non-agglomerated ores							Agglomerated		TOTAL
	Run of mine[1]	Lumps[2]	Fines[3]	Concentrates[4]	Pellet-feed[5]	Others	Total	Pellets[6]	Sinter[7]	
Algeria	2,739	-	-	-	-	-	2,739	-	-	2,739
Australia	-	3,000	6,000	-	1,000	-	10,000	-	-	10,000
Canada	-	-	-	100	-	-	-	9,950	1,169	11,219
Colombia	-	370	-	-	-	-	370	-	355	725
EEC	-	-	-	-	-	-	**16,980**	**28,429**	**101,362**	**14,6771**
Belgium	-	-	-	-	-	-	2,028	1,138	11,674	14,840
France	-	-	-	-	-	-	3,630	246	20,517	24,393
Germany, Federal Republic of	-	-	-	-	-	-	4,684	14,821	27,230	46,735
Italy	-	-	-	-	-	-	2,066	3,375	13,113	18,554
Luxembourg	-	-	-	-	-	-	280	-	4,632	4,912
Netherlands	-	-	-	-	-	-	73	3,883	3,945	7,901
Portugal	-	-	-	-	-	-	8	202	344	554
Spain	-	-	-	-	-	-	366	3,271	6,177	8,814
United Kingdom	-	-	-	-	-	-	3,845	3,493	13,730	20,068
Egypt	-	1,080	1,009	-	-	-	2,089	-	1,891	3,980
Japan	-	-	-	-	-	-	20,868	10,741	100,552	132,161
Mexico	-	140	-	8,218	-	-	8,358	8,562	929	17,849
Republic of Korea	2,250	5,180	13,810	560	-	-	21,800	1,197	-	22,900
Sweden	-	111	860	142	-	-	1,113	2,768	-	3,881
Trinidad and Tobago	-	123	-	-	-	-	123	897	-	1,020
Turkey	-	2,468	-	-	-	-	2,468	1,800	4,466	8,734
Romania	-	850	10,000	1,000	-	-	11,850	-	1,650	13,500
Venezuela	-	209	4,767	-	-	-	4,977	-	-	4,977
Zimbabwe	-	853	-	-	-	-	853	-	177	1,030

1 Marketable unprepared iron ore with more than 20 per cent fines.

2 Marketable iron ore between 10 and 30mm with usually less than 20 per cent fines.

3 Marketable fine ore, usually below 10mm (or similar size).

4 Marketable product from a concentrate plant.

5 Fine ore or concentrate very fine, usually below 0.1mm.

6 Iron ore fines agglomerated into a rough ball shape typically 10mm.

7 Agglomerated fines or concentrates and other iron bearing materials.

20. IRON ORE: Reported stocks[1]

(thousand tonnes)

Country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Algeria *(Total)*	..	..	..	..	..	***614#***	..	..	***805#***	***708#***
(producers)	..	..	..	..	..	..	..	..	597#	478#
(consumers)	..	..	..	..	..	..	..	..	208#	230#
Austria *(Total)*	..	..	..	..	..	***1623***	..	..	..	***1237#***
(producers)	..	..	..	..	..	380#	..	..	219#	294#
(consumers)	..	..	..	..	..	1243#	..	..	..	943#
Bolivia (producers)	..	..	..	..	..	..	..	..	3#	..
Brazil (producers)	32498	36234	35887	32245	..	..	..	1342#	..	..
Canada *(Total)*	***17226***	***16833***	***12492***	***10213***	***11179***	***9927***	***6846***	***7489***	***8856***	..
(producers)	12938	12323	8322	5211	6796	5306	2449	3156#	4388#	..
(consumers)	6680	4510	4170	5002	4383	4621	4397	4333#	4468#	..
Chile *(Total)*	..	..	..	..	..	***2953***	..	..	..	..
(producers)	..	..	..	..	..	1142#	1046#	1095#	..	1062#
(consumers)	..	..	..	..	..	1821#	..	..	..	..
EEC[2] *(Total)*	***27383***	***26734***	***22578***	***19581***	***17955***	***21009***	***19536***	***17850***	***19249***	***17361***
(producers)	7475#	7584#	6656#	3641#	2346#	3742#	3040#	1972#	1573#	1620#
(consumers)	19908#	19150#	15922#	15940#	15609#	17267#	16496#	15878#	17676	15741#
Belgium (consumers)	1230#	1314#	1263#	1335#	1309#	1319#	1299#	1284#	1336#	1381#
France *(Total)*	***11382#***	***11503#***	***9619#***	***6507#***	***5450#***	***5304#***	***5328#***	***3636#***	***3635#***	***3665#***
(producers)	6385#	6377#	5553#	3020#	2194#	2036#	2060#	1069#	680#	1141#
(consumers)	4997#	5126#	4066#	3487#	3256#	3268#	2856#	2567#	2955#	2524#
Germany, Fed. Rep. *(Total)*	***4916#***	***5822#***	***4483#***	***4080#***	***3793#***	***4210#***	***3569#***	***3332#***	***3388#***	***3252#***
(producers)	876#	986#	883#	621#	152#	209#	82#	22#	48#	44#
(consumers)	4040#	4836#	3600#	3459#	3641#	4001#	3487#	3310#	3340#	3208#
Italy *(Total)*	***2394#***	***1764#***	***1548#***	***1812#***	***1902#***	***1976#***	***1809#***	***2118#***	***2569#***	***1976#***
(producers)	214#	221#	220#	0#	0#	0#	0#	0#	0#	0#
(consumers)	2180#	1543#	1328#	1812#	1902#	1976#	1809#	2118#	2569#	1976#
Luxembourg (consumers)	2032#	1847#	1239#	1088#	1273#	1271#	1126#	961#	1017#	984#
Netherlands (consumers)	1405#	1236#	1110#	1217#	1312#	1411#	1463#	1347#	1365#	1227#
Portugal (consumers)	..	..	..	..	..	123#	138#	89#	192#	104#
Spain *(Total)*	..	..	..	..	..	..	..	***1910***	***1896***	
(producers)	1978#	1329#	1259#	1855#	1370#	1497#	898#	881#	845#	435#
(consumers)	..	..	..	..	..	588#	788#	1029#	1051#	1053#
United Kingdom (consumers)	4024#	3248#	3316#	3542#	2916#	3310#	3530#	3173#	3851#	3284#
Egypt *(Total)*	..	..	..	..	..	..	***513***	..	..	***1080***
(producers)	..	..	..	..	..	..	455#	..	..	340#
(consumers)	..	..	..	..	..	..	58#	..	..	740#
Finland *(Total)*	..	..	..	..	..	***260***	..	..	..	..
(producers)	..	..	..	..	..	8#	..	..	..	..
(consumers)	..	..	..	..	..	252#	..	200#	260#	..
Hungary (consumers)	..	..	..	..	..	..	..	227#	455#	..
Japan	15239	16522	15507	15934	15291	17494	14232	17118#	19171#	15263#
Liberia	..	..	..	..	..	..	2500	1800	..	..
Malaysia (producers)	..	..	..	..	..	..	..	22#	1#	..
Mauritania (producers)	..	..	..	..	..	..	..	342#	866#	1426#
Mexico *(Total)*	..	..	..	..	..	***3381***	..	..	***794***	***1366#***
(producers)	..	..	..	..	..	3294#	..	..	274#	619#
(consumers)	..	..	..	..	..	87#	..	..	520#	747#
Morocco (producers	..	..	..	..	..	..	..	68#	..	67#
Norway (producers)	..	..	..	..	..	..	..	..	751#	..
Peru (producers)	..	..	..	..	..	1280#	..	781#	..	502#
Philippines (consumers)	..	..	..	..	..	..	..	4#	..	277#
Poland (consumers)	..	..	..	..	..	4432#	..	9365#	..	..

20. IRON ORE: Reported stocks[1]
(concluded)

(thousand tonnes)

Country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Republic of Korea ***(Total)***	..	..	..	..	..	..	..	..	***1410***	***1455***
(producers)	65	68	85	90	102	111	..	..	10#	..
(consumers)	..	..	..	..	..	..	..	..	1400#	..
Romania ***(Total)***	..	..	..	..	..	..	..	..	..	***243***
(producers)	..	..	..	..	..	..	..	..	..	174#
(consumers)	..	..	..	..	..	..	..	..	..	69#
Saudia Arabia (consumers)	..	..	..	..	230	..	..	..	..	..
Sweden ***(Total)***	..	..	..	..	..	..	..	..	..	..
(consumers)	..	..	..	..	..	1960#	..	..	..	..
(producers)	..	..	..	..	..	..	..	..	1752#	2002#
Turkey ***(Total)***	..	..	..	..	..	..	..	***3091***	***3926***	..
(producers)	..	..	..	..	..	..	..	1793#	2310#	..
(consumers)	..	..	..	..	..	..	..	1298#	1616#	2326#
United States ***(Total)***	***56396***	***48567***	***33315***	***32739***	***29858***	***22551***	***22877***	***20182***	***25900***	***22977***
(producers)	17849	16387	7125	7453	7071	5113	6312	3296	4575	4795#
(consumers)	36782	30402	25902	24401	21631	17438	16565	16886	21325	18182#
Venezuela (producers)	..	..	..	..	..	..	2033#	2845#	1184#	2011#
Yugoslavia ***(Total)***								***542***	***1917#***	..
(producers)	..	..	..	..	..	..	..	259#	79#	..
(consumers)	..	..	..	..	..	..	..	283#	1838#	..
Zimbabwe ***(Total)***	..	..	..	..	..	***5327***	..	***4782***	***5848***	***6045***
(producers)	..	..	..	..	..	3854#	..	4130#	4789#	5091#
(consumers)	..	..	..	..	..	1473#	..	652#	1059#	954#

1 Reported stocks: inventories at the end of calendar year (31st december) held by producers at mines, plants or loading docks, or by consumers at iron, steel or sinter plants, as well as in receiving docks.

2 EEC total: EUR 10(1981-1984), as of 1985 EUR 12. Ireland, Greece and Denmark are not concerned.

21.A IRON ORE : Reported stocks by products (producers), 1990

(thousand tonnes)

Country or area	Non-agglomerated ores							Agglomerated	
	Run of mine[1]	Lumps[2]	Fines[3]	Concentrates[4]	Pellet-feed[5]	Others	Total	Pellets[6]	Sinter[7]
Algeria	478	-	-	-	-	-	478	-	-
Chile	-	137	416	159	-	-	712	350	-
Colombia	1	1	1	-	-	3	-	-	
EEC	..	..	..	..	..	..	**1,620**	-	-
France	..	..	..	..	..	..	1,141	-	-
Germany, Federal Republic of	..	..	..	..	..	..	44	-	-
Spain	..	..	..	..	..	..	435	-	-
Egypt	-	188	152	-	-	-	340	-	-
Morocco	12	-	46	-	-	4	62	5	-
Mauritania	-	-	-	-	-	-	1,426	-	-
Mexico	-	-	-	367	-	-	367	230	22
Sweden	-	497	933	6	-	-	1,436	566	-
Peru	-	-	40	217	189	-	446	56	-
Zimbabwe	21	148	4,922	-	-	-	5,091	-	-
Venezuela	-	1,455	556	-	-	-	2,011	-	-

21.B IRON ORE : Reported stocks by products (consumers), 1990

(thousand tonnes)

Country or area	Non-agglomerated ores							Agglomerated	
	Run of mine[1]	Lumps[2]	Fines[3]	Concentrates[4]	Pellet-feed[5]	Others	Total	Pellets[6]	Sinter[7]
Algeria	230	-	-	-	-	-	230	-	-
Austria	831	-	-	-	-	-	831	-	-
Colombia	-	33	136	-	-	-	169	-	-
EEC	..	..	..	..	..	..	**12,488**	**1,910**	**1,343**
Belgium	..	..	..	..	..	..	998	91	302
France	..	..	..	..	..	..	1,998	232	294
Germany, Federal Republic of	..	..	..	..	..	..	2,149	682	377
Italy	..	..	..	..	..	..	1,592	365	19
Luxembourg	..	..	..	..	..	..	944	-	40
Netherlands	..	..	..	..	..	..	925	254	48
Portugal	..	..	..	..	..	..	45	51	8
Spain	..	..	..	..	..	..	883	103	67
United Kingdom	..	..	..	..	..	..	2,964	132	188
Egypt	-	385	355	-	-	-	740	-	-
Japan	..	..	..	..	..	..	2,157	1,291	1,815
Mexico	-	42	-	153	-	-	195	552	-
Republic of Korea	200	470	1,250	50	-	-	1,970	100	2,070
Trinidad and Tobago	11	-	-	-	-	-	11	81	-
Turkey	-	1,758	307	119	-	-	21841	142	-
Zimbabwe	-	1	143	810	-	-	954	-	-

1 Marketable unprepared iron ore with more than 20 per cent fines.

2 Marketable iron ore between 10 and 30mm with usually less than 20 per cent fines.

3 Marketable fine ore, usually below 10mm (or similar size).

4 Marketable product from a concentrate plant.

5 Fine ore or concentrate very fine, usually below 0.1mm.

6 Iron ore fines agglomerated into a rough ball shape typically 10mm.

7 Agglomerated fines or concentrates and other iron bearing materials.

22. PIG IRON[1]: Production

(thousand tonnes)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD	**530818**	**473503**	**461947**	**491307**	**499052**	**496065**	**507941**	**537748**	**545507**	**531732**
DEVELOPED MARKET ECONOMY COUNTRIES	**273515**	**228233**	**224056**	**245268**	**246423**	**228447**	**231930**	**253965**	**258142**	**250518**
AMERICA	**76485**	**47289**	**52775**	**56730**	**55429**	**49121**	**53636**	**60059**	**60816**	**57173**
Canada	9743	8000	8567	9643	9665	9249	9719	9498#	10139#	7346
United States	66742	39289	44208	47087	45764	39872	43917	50561	50677	49827#
EUROPE	**102787**	**90571**	**88085**	**97275**	**99780**	**93012**	**92989**	**102386**	**104135**	**100300**
EEC	*94971*	*83226*	*80250*	*88679*	*91079*	*84601*	*84752*	*93681*	*95134*	*91775*
Belgium-Luxembourg	12676	10420	10388	11779	11501	10724	10559	11701#	11607#	12082
France	17274	15047	13770	14719	15067	13714	13236	14786#	15071#	14414
Germany, Federal Republic of	31876	27621	26598	30203	31531	28592	28119	32453#	32777#	30098
Greece	100	350	125	125	125E	-	-	- #	-	-
Italy	12317	11626	10362	11628	11658	11898	11372	11376#	11788#	11882
Netherlands	4601	3618	3747	4926	4819	4628	4574	4994#	5163#	4958
Portugal	314	214	364	474	519	422	430	445#	377#	340
Spain	6259	5998	5419	5338	5477	4811	4804	4691#	5535#	5682
United Kingdom	9554	8332	9477	9487	10382	9812	11658	13235#	12816#	12319
EFTA	*7816*	*7345*	*7835*	*8596*	*8701*	*8411*	*8237*	*8705*	*9001*	*8525*
Austria	3476	3114	3320	3745	3704	3349	3417	3664	3823#	3452#
Finland	1965	1944	1898	2034	1901	1978	2064	2180#	2300#	2283
Norway	570	475	596	549	606	570	371	367#	240#	54
Sweden	1772	1780	2011	2214	2424	2435	2315	2494	2638#	2736#
Switzerland	33	32	10	54	66	79	70	-	-	-
SOUTH AFRICA	**7365**	**6762**	**5215**	**5531**	**5038**	**5774**	**6317**	**6171**	**6513**	**6234**
ASIA	**80048**	**77655**	**72936**	**80403**	**80569**	**74651**	**73419**	**79221**	**80196**	**80144**
Japan	80048	77655	72936	80403	80569	74651	73419	79221#	80196#	80144#
OCEANIA	**6830**	**5956**	**5045**	**5329**	**5607**	**5889**	**5569**	**6128**	**6482**	**6667**
Australia	6830#	5956#	5045#	5329#	5607#	5889#	5569#	5710#	6050#	6127
New Zealand	..	..	..	..	..	-	-	418	432	540E
DEVELOPING COUNTRIES AND TERRITORIES	**44467**	**46218**	**48408**	**54499**	**58460**	**61838**	**65231**	**71531**	**74727**	**73048**
AFRICA	**2655**	**2714**	**2517**	**2787**	**3166**	**3259**	**3094**	**2899**	**3065**	**3047**
Algeria	897	1059	1113	1150	1400	1400	1300	1300	1300#	1300E
Egypt	965	1080	898	962	950	1066	1071#	1112	1100E	1068#
Tunisia	150	97	147	150	142	149	163	128	140E	140E
Zimbabwe	643	478	359#	525#	674	644	560	359#	525#	539
AMERICA	**17116**	**16692**	**18482**	**23189**	**25225**	**27151**	**28179**	**30280**	**31454**	**28157**
Argentina	912	1015	909	893	1309	1639	1775	1596#	2169#	1918
Brazil	11017	11054	12945	17230	18961	20163	21121#	23222#	24381	21141
Chile	582	455	540	596	575	592	613	778	679	675
Colombia	233	207	268	271	247	319	326	370#	297	323
Mexico	3767	3598	3538	3869	3530	3728	3692	3663	3230#	3669#
Peru	187#	161#	113#	4#	163#	216#	178#	166#	209	117
Venezuela	418	202	169	326	440	494	474	485#	489#	314#
ASIA	**21879**	**24110**	**24567**	**25668**	**26980**	**28365**	**31091**	**35436**	**37306**	**39531**
India	9474	9640	9162	9464	9835	10514	10923	11724#	12080#	12644
Indonesia	230	240	250	250E	250E	-	-	-	- #	-
Iran, Islamic Republic of	210	220	240	250E	250E	250E	250E	250E	250E	250E
Malaysia	220	220	230	200E	200E	200E	200E	- #	-	-
Pakistan	130	450	490	550	803	895	905	905	910E	920E
Philippines	20	20	22	20	20E	20E	20E	20E	-	-
Republic of Korea	7925	8440	8024	8763	8833	9003	11057	12578	14840#	15390#
Taiwan Province of China	1610	2695	3415	3288	3429	3740	3658	5487#	5708#	5491
Thailand	10	6	10	10	10	10E	10E	10E	10E	10E
Turkey	2050#	2179#	2724#	2873#	3350#	3733#	4068#	4462#	3508#	4826#
EUROPE	**2817**	**2702**	**2842**	**2855**	**3089**	**3063**	**2867**	**2916**	**2902**	**2313**
Yugoslavia	2817	2702	2842#	2855	3089#	3063	2867	2916#	2902#	2313#

22. PIG IRON[1]: Production
(concluded)

(thousand tonnes)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
COUNTRIES IN EASTERN EUROPE	**175336**	**160017**	**146603**	**145728**	**144579**	**149340**	**149850**	**149312**	**148538**	**139660**
Bulgaria	1514	1560	1635	1583	1712	1605	1657	1484	1484	1250E
Czechoslovakia	9903	9500	9466	9561	9562	9573	9788	9706	9911#	9667
Germany (former German Dem. Rep.)	2432	2149	2207	2357	2578	2738	2755	2786	2732	2159
Hungary	2212	2200	2059	2150	2102	2061	2109	2000#	1951	1693
Poland	8980	8300	8190	9627	9436	10194	10121	9837#	9488	8352
Romania	8857	8637	12593	9557	9212	9329	9500E	8941#	9051#	6355#
USSR	141438	127671	110453	110893	109977	113840	113920	114558#	113921#	110184#
SOCIALIST COUNTRIES OF ASIA	**37500**	**39035**	**42880**	**45812**	**49590**	**56440**	**60930**	**62940**	**64100**	**68506**
China	34000	35535	37380	40062	43840	50640	55030	57040	58200	62606
Democratic People's Rep. of Korea	3500	3500	5500	5750	5750	5800	5900E	5900E	5900E	5900E

[1] Pig iron: primary iron produced from iron ore in blast furnaces.

23. SPONGE IRON (DRI)[1]: Production

(thousand tonnes)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD	**7894**	**7283**	**7797**	**9192**	**10988**	**12654**	**13639**	**13803**	**15594**	**17992**
DEVELOPED MARKET ECONOMY COUNTRIES	**2270**	**1180**	**870**	**1180**	**1560**	**2070**	**1980**	**2060**	**2189**	**2292**
AMERICA	**1500**	**570**	**540**	**620**	**880**	**850**	**940**	**1060**	**996**	**1122**
Canada	960	500	540	500	740	690	730	770	705	732
United States	540	70	-	120	140	160	210	290	291	390#
EUROPE	**490**	**350**	**90**	**120**	**100**	**170**	**200**	**270**	**353**	**310**
EEC	*480*	*320*	*70*	*100*	*100*	*170*	*200*	*270*	*353*	*310*
Germany, Federal Republic of	480	320	70	100	100	170	200	270	353	310
EFTA	*10*	*30*	*20*	*20*	-	-	-	-	-	-
Sweden	10	30	20	20	-	-	-	-	-	-
SOUTH AFRICA	**120**	**100**	**80**	**270**	**410**	**790**	**840**	**730**	**840**	**860**
OCEANIA	**160**	**160**	**160**	**170**	**170**	**260**	-	-	-	-
New Zealand	160	160	160	170	170	260	-	-	-	-
DEVELOPING COUNTRIES AND TERRITORIES	**5624**	**6103**	**6907**	**7642**	**9008**	**9834**	**10399**	**10063**	**11705**	**14010**
AFRICA	-	**80**	**160**	**150**	**220**	**140**	**610**	**902**	**1040**	**1331**
Egypt	-	-	-	-	-	30	470	770	817	710
Libyan Arab Jamahiriya	-	-	-	-	-	-	-	-	90	500
Nigeria	-	80	160	150	220	110	140	132#	133	121
AMERICA	**4664**	**5083**	**5397**	**5392**	**5638**	**5976**	**6462**	**5869**	**6450**	**7750**
Argentina	830	890	950	910	990	950	1040	1067#	1166#	1035
Brazil	230	230	250	250	290	300	200	195#	258	260
Mexico	1720	1510	1500	1450	1454	1370	1560	1617	2237#	2540#
Peru	54#	43#	27#	62#	44#	56#	52#	49#	50	30
Trinidad and Totabgo	190	240	280	240	220	380	490	593	695	800#
Venezuela	1640	2170	2390	2480	2640	2920	3120	2348#	2044#	3085
ASIA	**960**	**940**	**1350**	**2100**	**3150**	**3718**	**3327**	**3292**	**4215**	**4929**
India	20	30	40	80	90	148#	177#	195#	360	750
Indonesia	470	440	570	740	1000	1300	1030	980	1210#	1410
Iran, Islamic Republic of	-	-	-	-	30	-	-	-	40	300
Iraq	-	-	-	-	-	-	-	100	200	170
Malaysia	-	-	-	40	520	580	590	427#	644	620
Myanmar	10	10	-	10	30	30	20	20	20	20
Qatar	460	450	390	500	490	490	470	495	534	574
Saudi Arabia	-	10	350	730	990	1170	1040	1075	1207	1085
COUNTRIES IN EASTERN EUROPE	-	-	**20**	**370**	**420**	**750**	**1260**	**1680**	**1700**	**1690**
USSR	-	-	20	370	420	750	1260	1680	1700	1690

1 Sponge iron or DRI: primary iron produced through direct reduction, without exceeding the melting temperature.

24. METALLICS : Reported consumption[1], 1988-1990

(thousand tonnes)

Country or area	Pig iron			Sponge iron			Ferrous scrap[2]		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Argentina	1,710	2,068	..	3,403	1,100	..	1,315	1,274	..
Australia	5,680	6,050	..	-	-	..	-	-	..
Brazil	19,173	17,878	16,848	195	259	..	7,675	8,032	6,505
Canada	9,827	10,128	..	-	-	..	7,476	7,790	..
Colombia	..	..	332	..	..	-	..	..	379
Egypt	1,071	..	..	-	..	..	322	..	..
Finland	2,190	..	..	-	..	..	440	850	..
Greece	19	16	..	-	-	..	1,077	1,071	..
Hungary	2,373	100	..	-	-	..	1,750	1,494	..
India	9,877	..	..	31	..	..	2,355	..	..
Indonesia	..	125	..	..	1,286	..	..	923	..
Japan	79,941	80,448	81,442	-	-	-	42,975	45,872	48,244
Malta	..	0	..	-	-	..	..	-	..
Malaysia	18	..	..		-	..	..	1	.. ..
Mexico	..	3,230	3,669	..	2,237	2,502	..	2,720	3,448
Nigeria	-	-	..	960	..	..	212	..	..
Norway	359	..	..	-	..	..	618	..	..
Philippines	18	..	-	34	-	-	233	..	..
Poland	10,373	..	..	-	..	..	8,977	..	..
Republic of Korea	..	15,290	15,940	-	-	-	..	1,580	1,960
Sweden	..	2,620	2746	..	-	-	2,964	2,589	2,394
Syria	..	..	-	..	..	-	..	..	80
Turkey	4,938	3,928	4,327	1	24	19	4,200	5,098	5,500
United States	..	..	..	..	..	..	51,737	63,763	63,601
USSR	..	..	..	108,000	..	..	95,400	95,00	..
Venezuela	..	489	309	..	2,341	2,603	..	489	736
Yugoslavia	..	2,650	..	-	-	2,127	2,417	..	
Zimbabwe	358	518	..	-	-	..	-	115	..

1 Reported consumption in iron and steel works

2 Ferrous scrap high in Fe used by the steel industry

25. METALLICS : Reported exports, 1988-1990

(thousand tonnes)

Country or area	Pig iron			Sponge iron			Ferrous scrap		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Argentina	..	0	..	..	..	..	..	0	..
Australia	25	..	..	-	..	..	1,000	..	..
Brazil	2,533	2,989	3,488	-	-	-	0	..	..
Bulgaria	-	-	7	-	-	-	-	-	-
Canada	355	..	..	3	..	..	1,679	..	..
Cuba	-	-	-	-	-	-	-	86	..
Czechoslovakia	200	-	..	-	-	..	328	60	..
France	100	-	..	-	-	..	3,700	..	..
Germany Federal Rep. of	400	-	..	-	-	..	4,600	..	..
Hungary	-	45	..	-	-	..	150	112	..
Italy	35	24	..	-	-	..	..	4	..
Japan	43	25	25	-	-	-	416	587	396
Malaysia	-	0	..	-	397	..	-	24	..
Netherlands	..	..	..	..	..	..	2,600	..	..
Nigeria	-	..	..	13	..	..	-	..	..
Norway	31	52	50	-	-	0	1	1	0
Sri Lanka	..	-	..	..	-	..	..	40	..
South Africa	700	..	..	..	..	..	..	..	..
Sweden	..	13	5	..	3	4	..	142	122
Turkey	89	0	18	-	0	-	6	4	7
United Kingdom	..	..	..	..	..	..	3,600	..	..
United States	65	..	14	..	..	6	9,160	11,078	11,580
USSR	6,141	6,517	..	-	..	..	3,230	2,727	..
Venezuela	-	-	-	127	659	857	277	1,330	1,729
Yugoslavia	8	..	..	-	..	..	400	..	..

26. METALLICS : Reported imports, 1988-1990

(thousand tonnes)

Country or area	Pig iron			Sponge iron			Ferrous scrap		
	1988	1989	1990	1988	1989	1990	1988	1989	1990
Argentina	111	2	..	3,131	-	..	-	11	..
Australia	9	..	..	-	..	..	2	..	..
Brazil	-	..	..	-	..	..	87	..	..
Bulgaria	400	-	309	-	-	-	-	-	-
Canada	9,022	..	..	2	..	..	1,186	..	..
Colombia	-	-	32	-	-	-	-	-	28
Cuba	-	240	-	-	-	-	-	-	-
Cyprus	..	..	1	..	..	-	-	-	-
Czechoslovakia	675	673	..	12	-	..	11	13	..
Finland	-	-	..	-	-	..	100	60	..
Germany (former German Democratic Rep. of)	..	1,321	..	..	11	..	-	-	..
Greece	..	24	..	..	3	..	-	-	-
Hungary	250	345	..	-	..	-	-	..	
Italy	700	..	..	-	-	..	5,100	-	..
Indonesia	80	-	..	-	76	..	..	-	..
Japan	2,917	2,288	3,283	-	-	-	1,791	1,157	1,048
Malaysia	18	26	..	-	0	..	1	0	..
Malta	..	0	..	-	-	..	..	-	..
Norway	2	4	5	-	2	0	160	-	0
Philippines	25	..	..	(HBI) 45	..	..	109	152	..
Poland	1,281	1,199	1,263	-	-	-	-	-	-
Republic of Korea	801	590	230	-	-	-	..	520	525
Spain	..	..	..	..	-	-	4,500	..	..
Sweden	60	45	42	..	-	-	800	624	247
Syria	..	..	..	..	..	..	..	..	30
Trinidad and Tobago	..	..	..	..	..	..	..	..	12
Turkey	144	179	148	1	24	19	2,699	4,422	3,671
United States	..	443	347	..	226	334	900	1,016	1,309
Venezuela	-	-	-	216	304	426	-	122	135
Yugoslavia	38	110	-	-	-	..	700	19	-

27. CRUDE STEEL[1]: Production

(thousand tonnes)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WORLD	**708385**	**645067**	**662514**	**711085**	**718824**	**713246**	**735028**	**778196**	**784340**	**766892**
DEVELOPED MARKET ECONOMY COUNTRIES	**395568**	**331373**	**335719**	**367234**	**365036**	**341782**	**348881**	**378365**	**382817**	**377045**
AMERICA	**124433**	**79529**	**89593**	**98659**	**94724**	**88133**	**95643**	**105555**	**104330**	**101038**
Canada	14811	11865	12832	14699	14637	14081	14737	14866#	15458#	12100
United States	109613#	67655#	76761#	83940#	80067#	74032#	80876#	90649#	88852#	88918#
EUROPE	**152498**	**137264**	**135979**	**148584**	**149619**	**139219**	**139239**	**151461**	**153503**	**149423**
EEC	*139862*	*125082*	*123231*	*134482*	*135694*	*125714*	*125958*	*137426*	*139578*	*136470*
Belgium-Luxembourg	16167	13502	13450	15287	14628	13420	13085	14883#	14687#	14953
Denmark	612	560	493	548	528	632	605	650#	624#	609
France	21258	18417	17582	19005	18815	17670	17432	18598#	18692#	19017
Germany, Federal Republic of	41610	35880	35729	39389	40497	37134	36248	41023#	41073#	38434
Greece	909	933	858	972#	1007#	1010	908	959#	956#	986
Ireland	33	61	141	166	203	208	220	271#	324#	326
Italy	24777	24003	21811	24062	23898	22985	22819	23762#	25216#	25439
Netherlands	5472	4354	4477	5738	5519	5283	5082	5518#	5681#	5416
Portugal	555	507	685	697	684	721	732	811#	761#	677
Spain	12896	13160	13009	13497	14193	11882	11691	11886#	12765#	12705
United Kingdom	15573	13705	14986	15121	15722	14769	17136	19065#	18799#	17908
EFTA	*12636*	*12182*	*12748*	*14102*	*13925*	*13505*	*13281*	*14035*	*13925*	*12953*
Austria	4656	4258	4411	4868	4663	4292	4301	4560#	4718#	4291#
Finland	2429	2420	2416	2634	2518	2586	2668	2798#	2921#	2861
Norway	847	768	876	916	944	836	851	910#	678#	376#
Sweden	3770	3900	4210	4706	4813	4716	4595	4779	4692#	4455#
Switzerland	934	836	835	978	987	1075	866	988	916	970
SOUTH AFRICA	**8991**	**8320**	**7004**	**7732**	**8507**	**9055**	**8836**	**8709**	**9567**	**8738**
ASIA	**101790**	**99637**	**97252**	**105676**	**105381**	**98385**	**98629**	**105780**	**108009**	**110451**
Israel	114	87	83	92	100	110	116	99	100	120
Japan	101676	99550	97169	105584	105281	98275	98513	105681#	107909#	110331
OCEANIA	**7856**	**6623**	**5891**	**6583**	**6805**	**6990**	**6534**	**6860**	**7408**	**7395**
Australia	7635	6371#	5657#	6303#	6578#	6703#	6125#	6400#	6800#	6630#
New Zealand	221	252	234	280	227	287	409	460	608	765
DEVELOPING COUNTRIES AND TERRITORIES	**65470**	**67522**	**71630**	**79823**	**86471**	**91007**	**98769**	**109362**	**114164**	**112471**
AFRICA	**2653**	**2867**	**3000**	**2900**	**3715E**	**3512**	**3961**	**4410E**	**4130**	**3005**
Algeria	557	868	950	1080	1414	1450	1533	1412	1042	1050
Egypt	1015	1074	979	928	1028	1013	1433	2025	2011	881#
Mauritania	10	10	5	5	2#	5#	7#	5E	5E	5E
Morocco	5	5	4	4	5E	6E	5E	5E	5E	5E
Nigeria	22	90	182	229	321	134#	137#	139#	213#	220
Tunisia	173	107	163	166	160	181	188	162	197	200
Zimbabwe	691	538	647	423	731	674	597	602	592#	579
Other Africa	180	175	70	65	54E	49	61	60E	65	65
AMERICA	**27291**	**27065**	**28944**	**33465**	**36031**	**37651**	**39488**	**42179**	**42548**	**38647**
Argentina	2526	2900	2942	2647	2939	3242#	3603#	3624#	3893#	3621
Brazil	13226	13000	14671	18385	20454	21228#	22228#	24657#	25017	20582
Chile	644	492	618	692	689	706	720	899	813	773
Colombia	402	422	482	507	530	632	690	712	706	710
Cuba	330	301	354	338	408	411	402	363	432#	340#
Mexico	7605	7060	6917	7482	7299	7225#	7642#	7805#	7870#	8675#
Peru	364	272	299	337	368	358#	400#	463#	397	284
Trinidad and Tobago	45	219	210	172	164	331	388	363	347	380#
Uruguay	14	20	46	41	39	31	30	29	39	30
Venezuela	2030	2278	2320	2770	3055	3402	3297#	3165#	2942#	3177
Other America	105	101	85	94	86	85	88	99	92	75

27. CRUDE STEEL[1]: Production
(concluded)

(thousand tonnes)

Region country or area	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
ASIA	**31550**	**33740**	**35552**	**39226**	**42245**	**45325**	**50953**	**58286**	**62984**	**67211**
Bangladesh	134	78	58	88	122	116	120	120	120E	120E
Hong Kong	80	80	120	120	120E	120E	120E	120E	150E	150E
India	10997	10237	10237	10549	11936	12197	13121	14309	14429	14866
Indonesia	621	693	983	1171	1374	1729	2059	1850	2303#	2600
Iran, Islamic Republic of	565	550	734	854	836	838	839	978	1081	1200
Malaysia	210	215	350	350	400	450	600	700	800	900
Myanmar	45	40	20	20	20E	32#	30E	30E	30E	30E
Pakistan	10	120	300	750	750	900	1000	1200	1200E	1200E
Philippines	400	370	200	250	250	209#	261#	252#	400E	400E
Qatar	469	495	469	478	533	507	492	527	585	571
Republic of Korea	10753	11758	11915	13034	13540	14555	16782	19118	21873	23126
Saudi Arabia	150	150	275	842	1106	1100	1365	1614	1810	1833
Singapore	263	359	305	362	365	390	441	432	495	489
Syrian Arab Republic	400	400	100	100	70E	70E	60E	60E	30#	70#
Taiwan Province of China	3157	4152	5031	5241	5306	5545	5915	8288	9047	9554
Thailand	312	244	381	447	425	450	534	535	550E	600E
Turkey	2425	3183#	3834#	4330#	4862#	5927#	7044#	7983#	7901#	9322#
United Arab Emirates	145	150	50	50	50E	50E	40E	40E	40E	40E
Other Asia	414	466	190	190	180	140	130	130	140	140
EUROPE	**3976**	**3850**	**4134**	**4232**	**4480**	**4519**	**4367#**	**4487#**	**4502#**	**3608#**
Yugoslavia	3976#	3850#	4134#	4232#	4480#	4519#	4367#	4487#	4502#	3608#
COUNTRIES IN EASTERN EUROPE	**206127**	**203552**	**210025**	**214253**	**214023**	**221649**	**224368**	**224208**	**219099**	**203135**
Bulgaria	2482	2580	2825	2878	2926	2898	3044	2880	2899	2180#
Czechoslovakia	15271	15000	15024	14831	15036	15112	15416	15379#	15465#	14813
Germany (former German Dem. Rep.)	7467	7250	7219	7573	7840	7967	8243	8133	7829	5587
Hungary	3646	3720	3617	3751	3647	3715	3622	3580#	3305	2962
Poland	15719	14794	16236	16553	16126	17144	17146	16885#	15094	13553
Romania	13025	13055	12593	14437	13795	14276	14962	14314#	14415#	9754#
USSR	148517	147153	152511	154230	154653	160537	161935	163037#	160092#	154286#
SOCIALIST COUNTRIES OF ASIA	**41220**	**42620**	**45140**	**49775**	**53294**	**58808**	**63010**	**66261**	**68260**	**74241**
China	35600	37000	39040	43475	46794	52208	56280	59431	61430	67241
Democratic People's Republic of Korea	5500	5500	6100	6300	6500	6600	6730	6830	6830	7000
Viet Nam	120	120	-	-	-	-	-	-	-	..

[1] Crude steel: raw form of steel measured at the first stage of soli dification, except for liquid steel casting

Annex. Iron ore questionnaire

Replies

Country or area	Date of reply	A		B				C	D			E	
		A.1	A.2	B.1	B.2	B.3	B.4		D.1	D.2	D.3	E.1	E.2
Algeria	30 May 91	#	-	#	#	-	#	#	#	-	#	-	-
Australia	22 March 91	#	-	#	#	-	-	-	#	-	#	#	-
Austria	13 May 91	#	#	#	#	-	-	#	-	#	-	-	-
Bolivia	27 Feb. 91	#	-	-	-	-	-	-	#	-	-	-	-
Brazil	6 May 91	#	#	#	#	#	#	-	#	-	#	#	-
Bulgaria	14 June 91	-	-	-	-	-	-	-	-	-	-	-	-
Canada	5 April 91	#	#	#	#	#	-	#	#	#	#	-	#
Chile	22 March 91	#	-	-	-	-	-	#	#	-	-	-	-
Colombia	10 April 91	#	#	#	#	#	#	#	-	-	-	-	-
Cuba	22 Feb. 91	-	-	-	-	-	-	-	-	-	-	-	-
Cyprus	8 March 91	-	-	-	-	-	-	-	-	-	-	-	-
EEC	15 May 91	#	#	#	#	#	-	#	#	#	#	-	-
Greece	8 May 91	-	-	-	-	-	-	-	#	#	#	-	-
Japan	10 April 91	-	#	#	#	#	-	#	#	#	-	-	-
Mauritania	23 April 91	#	-	-	-	-	-	#	#	-	#	#	-
Mexico	3 May 91	#	#	#	#	#	#	#	-	#	#	#	#
Morocco	4 April 91	#	-	-	-	-	-	#	#	-	#	-	-
New Zealand	13 March 91	#	-	-	-	-	-	-	#	-	-	-	-
Norway	8 April 91	#	-	-	-	-	-	-	#	#	#	-	-
Peru	26 March 91	#	#	-	-	-	-	#	#	-	#	-	-
Philippines	8 April 91	#	#	-	-	-	-	#	#	#	-	-	-
Poland	24 April 91	-	-	-	-	-	-	-	-	#	-	-	-
Republic of Korea	8 July 91	#	-	#	#	#	-	#	#	#	#	-	-
Romania	21 June 91	#	#	#	#	#	#	#	-	#	#	-	-
South Africa	10 June 91	#	-	-	-	-	-	-	#	-	#	-	-
Spain	10 May 91	#	#	-	-	-	-	#	#	#	#	-	#
Sweden	26 March 91	#	#	#	#	#	#	#	#	#	#	-	#
Syrian Arab Republic	30 April 91	#	-	#	#	-	#	-	-	#	#	-	-
Trinidad and Tobago	16 April 91	-	-	#	#	#	-	#	-	#	#	-	-
Tunisia	7 March 91	#	-	-	-	-	-	-	-	-	-	-	-
Turkey	7 July 91	#	#	#	#	#	-	#	-	#	#	-	-
United States	3 April 91	#	#	#	#	#	#	#	#	#	#	-	-
USSR	27 March 91	#	#	-	-	-	-	-	#	-	#	-	-
Venezuela	12 April 91	#	-	#	#	#	#	#	#	-	-	#	-
Yugoslavia	28 March 91	#	-	#	-	-	-	-	#	#	#	-	-
Zimbabwe	8 Feb. 91	#	#	#	#	#	-	#	-	-	-	-	-

CONTENTS: Iron ore

A. Production and production capacity

A.1. Iron production by products

A.2. Production of agglomerates by iron and steel producers

B. Consumption

B.1. Iron ore consumption by products

B.2. Iron ore consumption by source

B.3. Iron ore consumption in metallurgical uses

B.4. Iron ore consumption in non-metallurgical uses

C. Stocks

D. International Trade

D.1. Volume of exports by destination and product type

D.2. Volume of imports by origin and product type

D.3. Value of exports and/or imports

E. Production Capacity

E.1. Planned additions

E.2. Planned reductions

Fiji, Namibia, Senegal, Suriname and Zambia replied to the questionnaire but have no iron or steel industry.

Annex. Iron ore questionnaire

Replies (*concluded*)

Country or area	Date of reply	F.1			F.2	F.3			G.1			G.2	H		
		F.1.1	F.1.2	F1.3		F3.1	F3.2	F3.3	G1.1	G1.2	G1.3		H.1	H.2	H.3
Algeria	30 May 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia	22 March 91	-	-	-	-	#	-	-	-	-	-	-	-	-	-
Austria	13 May 91	#	-	-	-	#	#	#	-	-	-	-	-	-	-
Bolivia	27 Feb. 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	6 May 91	#	#	#	#	#	#	#	#	#	#	#	#	#	#
Bulgaria	14 June 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	5 April 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chile	22 March 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	10 April 91	#	-	#	#	#	#	#	#	-	#	#	-	#	#
Canada	5 April 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cuba	22 Feb. 91	-	-	-	#	#	#	-	-	-	#	-	#	#	#
Cyprus	8 March 91	-	-	-	-	-	-	-	-	-	-	-	-	#	#
EEC	15 May 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greece	8 May 91	-	-	-	-	-	-	-	-	-	-	-	-	#	#
Japan	10 April 91	#	-	#	-	#	#	#	-	-	#	#	#	#	-
Mauritania	23 April 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	3 May 91	#	#	#	#	#	#	#	#	#	#	#	-	-	-
Morocco	4 April 91	-	-	#	-	-	-	-	-	-	-	-	-	-	-
New Zealand	13 March 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Norway	8 April 91	#	-	-	#	#	-	-	-	-	-	-	#	#	#
Peru	26 March 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Philippines	8 April 91	-	-	-	#	-	-	-	-	-	#	-	-	#	#
Poland	24 April 91	-	-	-	-	-	-	-	-	-	#	-	-	#	-
Republic of Korea	8 July 91	#	-	#	-	#	#	#	#	-	#	#	-	#	#
Romania	21 June 91	#	-	#	#	#	#	#	-	-	-	#	-	-	-
South Africa	10 June 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spain	10 May 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	26 March 91	#	#	#	#	#	#	#	#	#	#	-	#	#	#
Syrian Arab Republic	30 April 91	-	-	-	-	#	#	#	-	-	-	-	-	#	#
Trindad and Tobago	16 April 91	-	#	#		#	#	#	-	#	#	#	#	#	#
Tunisia	7 March 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turkey	7 July 91	#	-	#	#	#	#	#	#	#	#	#	#	#	#
United States	3 April 91	#	#	#	#	#	-	#	-	-	#	-	-	-	-
USSR	27 March 91	#	-	-	-	#	-	-	-	-	-	-	-	-	-
Venezuela	12 April 91	#	#	#	#	-	-	-	#	#	#	#	#	#	#
Yugoslavia	28 March 91	#	-	#	#	-	-	#	#	-	#	#	#	#	#
Zimbabwe	8 Feb. 91	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CONTENTS : Iron and Crude steel

F.1. Production of Metallics

F.1.1. Pig iron

F.1.2. Sponge iron or DRI

F.1.3. Ferrous scrap generation

F.2. Production of ferro-alloys

F.3. Crude steel production

F.3.1. By process

F.3.2. By utilization

F.3.3. Share of continuous casting

G.1. Consumption of metallics

G.1.1. Pig iron

G.1.2. Sponge iron or DRI

G.1.3. Ferrous scrap

G.2. Average consumption of metallics per ton of steel output

H. International trade in metallics

H.1 Volume of exports of metallics by destination

H.2. Volume of imports of metallics by origin

H.3. Value of exports and/or imports of metallics

Fiji, Namibia, Senegal, Suriname and Zambia replied to the questionnaire but have no iron or steel industry.